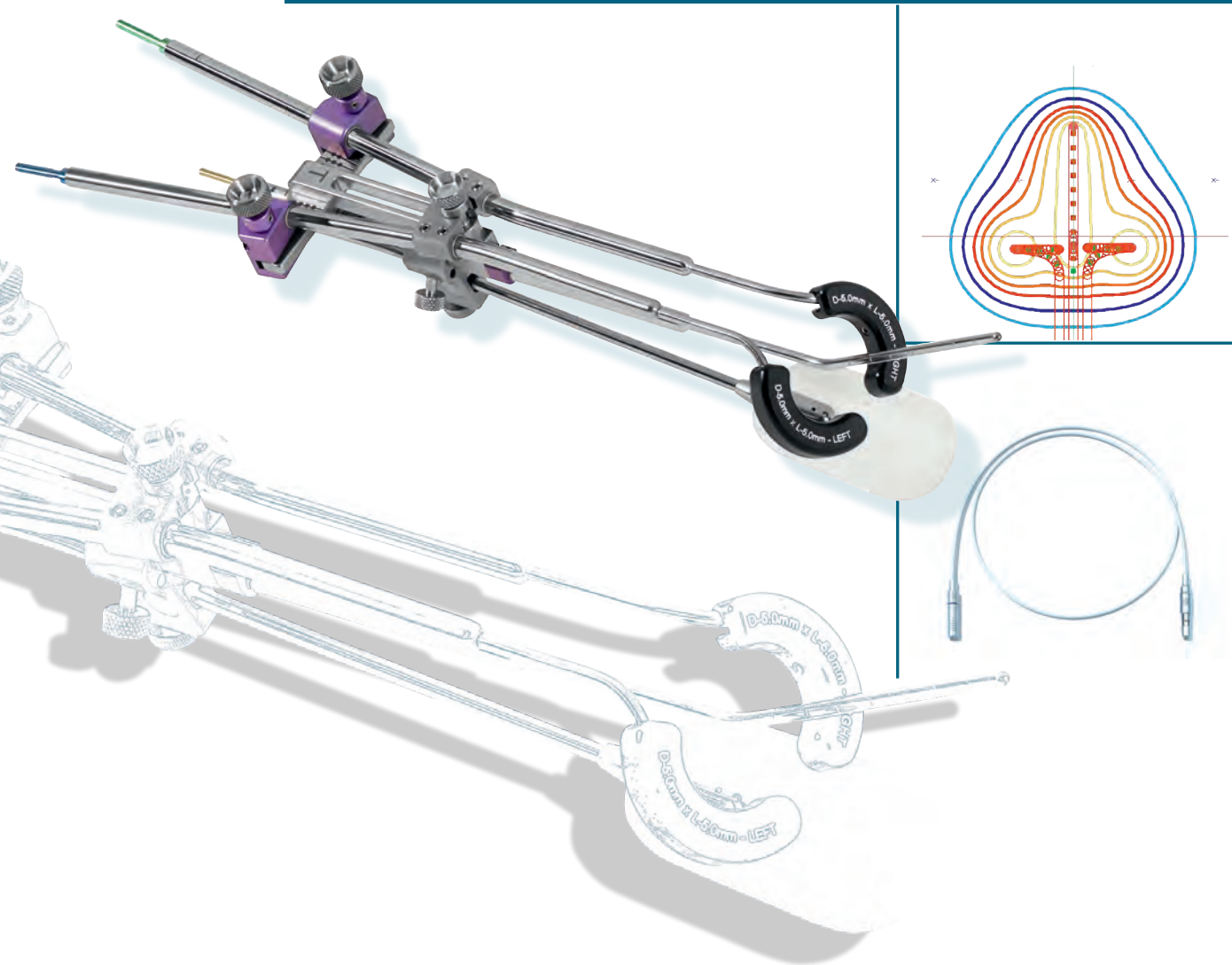


HDR Applicators & Accessories

for use with Eckert & Ziegler BEBIG
Ir-192 and Co-60 afterloaders

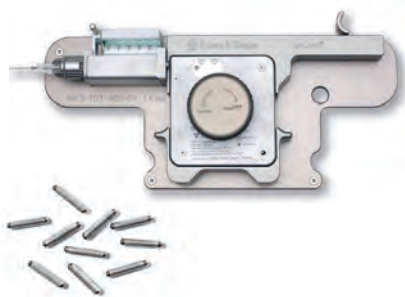


Eckert & Ziegler BEBIG - Your complete brachytherapy provider!

Multiple HDR Applications

We supply afterloaders and a comprehensive portfolio of applicators for gynecological cancers as well as for the treatment of other body sites, such as the prostate, breast, esophagus, nasopharynx, lung and bronchus, as well as the lip and oral cavity.

Eckert & Ziegler BEBIG manufactures three lines of HDR afterloaders: [SagiNova®](#), [MultiSource®](#) and [GyneSource](#). SagiNova® and MultiSource® are HDR afterloader systems designed for the entire range of HDR brachytherapy applications. They are the only afterloaders available with an integrated but independently measuring [In-Vivo Dosimetry System](#) and can be equipped with either the widely used Ir-192 source or with a long-lasting Co-60 source. SagiPlan® is the corresponding treatment planning system for all HDR applications with SagiNova® while HDRplus is used with MultiSource® and GyneSource. Both treatment planning systems include the Eckert & Ziegler BEBIG Prostate Module.



Permanent Implant Brachytherapy

For permanent implant brachytherapy, Eckert & Ziegler BEBIG manufactures radioactive seeds, which are used primarily for the treatment of localized prostate cancer and are available in several configurations. [IsoSeed®](#) is a loose seed, while [IsoStrand®](#) consists of 10 IsoSeeds spaced 1.0 cm apart. The seed chain [IsoCord®](#), which is delivered in a safe and convenient magazine, can be cut into the desired lengths with the unique [IsoCord® Needle Loading Station](#).

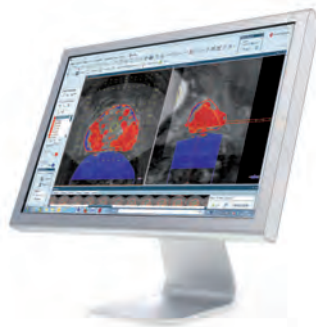


Ophthalmic Brachytherapy

We are the only global provider of [Ru-106 Eye Applicators](#) for eye cancer treatments. These unique ophthalmic plaques are characterized by an advantageous steep dose fall-off, conserving the vision of the eye. Furthermore, we also provide [I-125 Ophthalmic Seeds](#) together with [COMS Eye Applicators](#).

Radiotherapy Accessories

Our product line of Radiotherapy Accessories includes the [Superflab](#) bolus material for external beam radiation therapy and the [Mick™ Gold Fiducial Markers](#) as well as the [Eckert & Ziegler BEBIG Gold Fiducial Markers](#) that are pre-loaded in pre-waxed needles for advanced image guidance.



For more information on our product portfolio, please refer to our websites.

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Catalog Sections

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Caution:

Federal (USA) law restricts the sale of the devices mentioned in this catalog by or on order of a physician.



MR Safe – an item that poses no known hazards in all MR environments.

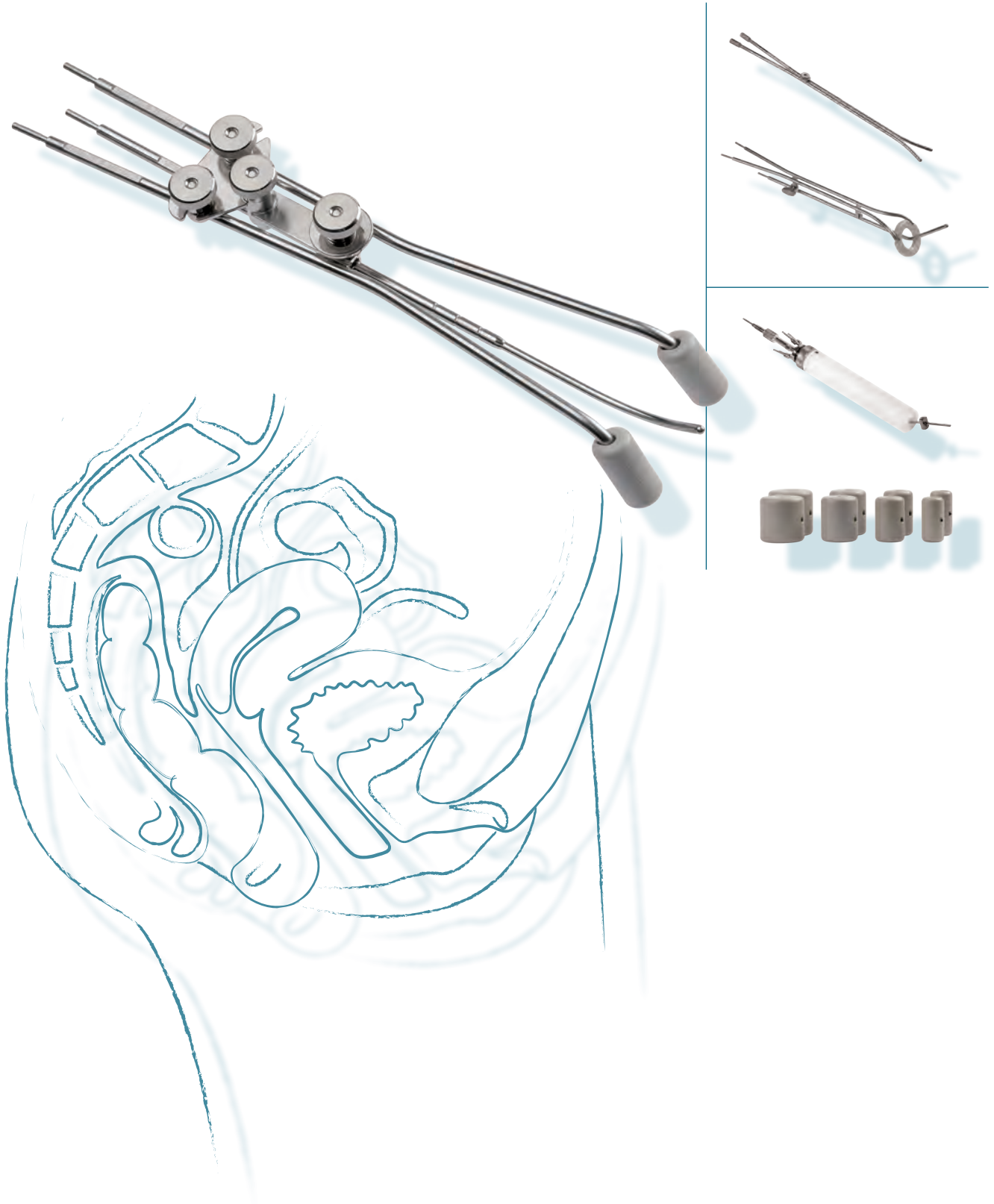


MR Unsafe – an item that poses known hazards in all MR environments.



MR Conditional – an item that has been demonstrated to pose no known hazards in a specified MR environment with specific conditions of use. Applicators in the catalog marked with this sign are MR Conditional for 1.5 and 3 Tesla (specific conditions are available on request).

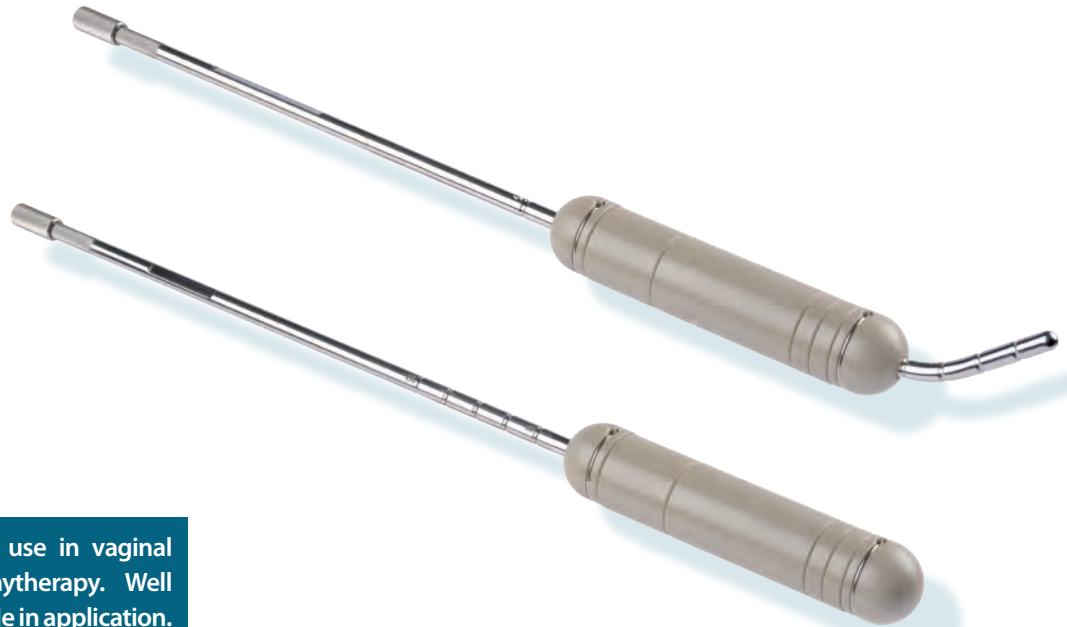
Gynecological & Rectal



Eckert & Ziegler
Contributing to saving lives

Vaginal/Rectal Cylinder Applicator Set

SET0001



Common tool for use in vaginal and rectal brachytherapy. Well proven and versatile in application.

Vagina, Cervix, Endometrium, Rectum

Variable Length

The Vaginal/Rectal Cylinder Applicator Set with variable length is indispensable for vaginal or rectal brachytherapy. Variable lengths can be obtained by using cylinder segments. This set includes cylinders of different diameters, which allows easy adaptation to the patient's anatomy.

Easy Insertion

The cylinder is designed for easy insertion, and is tolerable for the patient during treatment. Together with additional intrauterine tubes (SET1001 & SET1101), this set can be used for endometrial treatment as well.

Precise Dose Distribution

The design of the cylinder provides an appropriate distance between the source and the target area. Embedded ring markers facilitate the visualization of the cylinder surface during X-ray imaging. The versatility of this applicator set makes it an essential brachytherapy tool for gynecological and gastroenterological treatments.

Features

- Cylinders of different diameters are available (12.5 mm, 15 mm, 20 mm, 25 mm, 30 mm, 35 mm and 40 mm)
- Variable concept allows easy adaptation to the patient's anatomy
- Closed cap for easy insertion
- Intrauterine tubes expand the set to include endometrial treatment
- Radiopaque cylinder markings facilitate treatment planning
- Cylinder provides spacing for a homogeneous dose distribution to the surface
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0001

Quantity	Item	Part number
1	Vaginal Cylinder with variable length, D=20 mm, L=120 mm	LAZ07-01
1	Vaginal Cylinder with variable length, D=25 mm, L=125 mm	LAZ07-02
1	Vaginal Cylinder with variable length, D=30 mm, L=130 mm	LAZ07-03
1	Screwdriver 1.5 mm	LAZ09-01

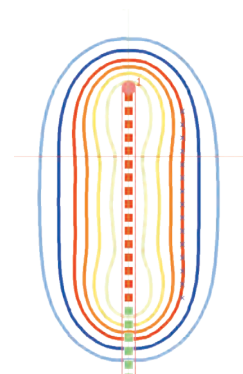
Required Items

Quantity	Item	Part number
1	Universal Applicator incl. plug, D=3 mm, L=1400 mm	LAA1400-GYN
1	Intrauterine Tubes*	SET1001
*Alternative: CT/MR Intrauterine Tubes		SET1101

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	Vaginal Cylinder with variable length, D=12.5 mm, L=120 mm	LAZ07-06
1	Vaginal Cylinder with variable length, D=15 mm, L=120 mm	LAZ07-07
1	Vaginal Cylinder with variable length, D=35 mm, L=135 mm	LAZ07-04
1	Vaginal Cylinder with variable length, D=40 mm, L=140 mm	LAZ07-05
1	CT/MR Rectal Retractor	LCZ50-01
1	CT/MR Perineal Bar	LCZ51-01

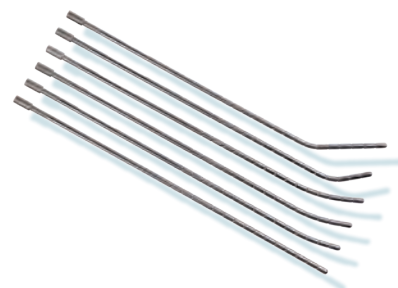
Isodose



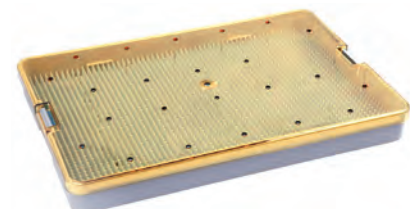
Universal Applicator



Intrauterine Tubes



Sterilization Box

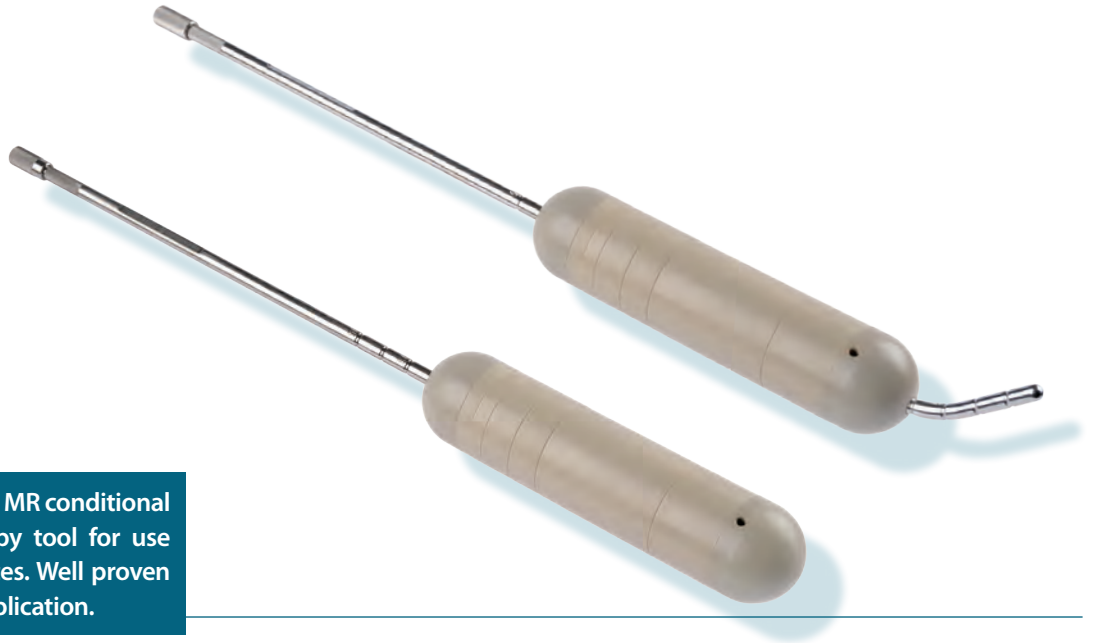


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¹ Manufactured by PST Plastic Sterilizing Trays Corporation

CT/MR Vaginal/Rectal Cylinder Applicator Set

SET0101



CT compatible and MR conditional basic brachytherapy tool for use in various body sites. Well proven and versatile in application.

Vagina, Cervix, Endometrium, Rectum

Variable Length

The variable length CT/MR Vaginal/Rectal Cylinder Applicator Set is most commonly used for vagina or rectal brachytherapy. Variable lengths can be obtained by using cylinder segments of different lengths. This set includes cylinders of different diameters, which allows easy adaptation to the patient's anatomy.

Easy Insertion

The cylinder is designed for easy insertion, and is tolerable for the patient during treatment. Together with additional intrauterine tubes (SET1101), this set can be used for endometrial treatment as well.

Versatile Design

The design of the cylinder provides an appropriate distance between the source and the target area. The versatility of this applicator set makes it an essential brachytherapy tool for gynecological and gastroenterological treatments.

Features

- CT compatible and MR conditional
- Cylinders of different diameters are available (12.5 mm, 15 mm, 20 mm, 25 mm, 30 mm, 35 mm and 40 mm)
- Variable concept allows easy adaptation to the patient's anatomy
- Closed cap for easy insertion
- Cylinder provides spacing for a homogeneous dose distribution to the surface
- Intrauterine tubes extend the set to include endometrial treatment
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0101

Quantity	Item	Part number
1	CT/MR Vaginal Cylinder with variable length, D = 20 mm, L = 120 mm	LCZ07-01
1	CT/MR Vaginal Cylinder with variable length, D = 25 mm, L = 125 mm	LCZ07-02
1	CT/MR Vaginal Cylinder with variable length, D = 30 mm, L = 130 mm	LCZ07-03
1	Screwdriver 1.5 mm	LAZ09-01

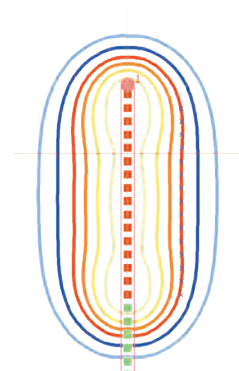
Required Items

Quantity	Item	Part number
1	Universal Applicator incl. plug, D = 3 mm, L = 1400 mm	LAA1400-GYN
1	CT/MR Intrauterine Tubes	SET1101

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	CT/MR Vaginal Cylinder with variable length, D = 12.5 mm, L = 120 mm	LCZ07-06
1	CT/MR Vaginal Cylinder with variable length, D = 15 mm, L = 120 mm	LCZ07-07
1	CT/MR Vaginal Cylinder with variable length, D = 35 mm, L = 135 mm	LCZ07-04
1	CT/MR Vaginal Cylinder with variable length, D = 40 mm, L = 140 mm	LCZ07-05
1	CT/MR Rectal Retractor	LCZ50-01
1	CT/MR Perineal Bar	LCZ51-01

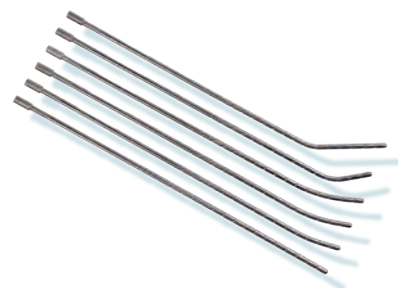
Isodose



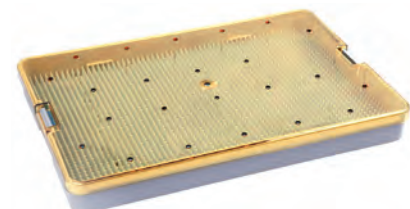
Universal Applicator



CT/MR Intrauterine Tubes



Sterilization Box

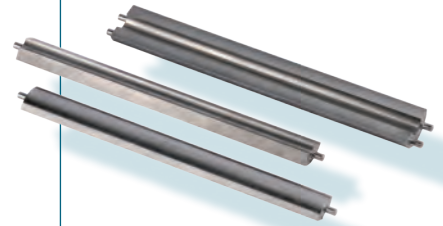


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¹ Manufactured by PST Plastic Sterilizing Trays Corporation

Vaginal/Rectal Cylinder Applicator Set Variable Shielding

SET0025



Variable dose shaping with 90° and 180° tungsten shielding segments to protect organs at risk.

Vagina, Rectum

Variable Shielding

The Vaginal/Rectal Cylinder Applicator Set with Variable Shielding has been designed for use in vaginal and rectal brachytherapy. This set includes 90° and 180° tungsten shielding segments which can be arranged in the desired configuration to achieve the shielding needed. The positions of the shielding segments are clearly visible when the applicator is inserted.

Easy Insertion

The cylinders are designed for easy insertion, and are tolerable for the patient during treatment. Cylinders are available in four different diameters to easily adapt to the individual patient's anatomy.

Precise Dose Distribution

The design of the cylinder assures a reasonable distance between the source and the target area. The shielding segments can be arranged to protect sensitive areas, such as organs at risk. The SagiPlan® and HDRplus treatment planning systems calculate the effect of the shielding for Co-60 and Ir-192 sources. The result of the shielding is shown in isodose-curves as well as dose at control-points at organs at risk. This applicator set is an essential brachytherapy tool for gynecological and gastroenterological treatments.

Features

- Variable shielding for protecting organs at risk
- Absorption by tungsten alloy: ~76 % for Ir-192 and ~28 % for Co-60
- Cylinders of different diameters adapt to the patient's anatomy
- Defined geometry of cylinders ensures homogeneous dose distribution at the surface
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0025

Quantity	Item	Part number
1	Vaginal Cylinder, closed, D=22 mm, L=130 mm	LA320-64
1	Vaginal Cylinder, closed, D=25 mm, L=130 mm	LA320-74
1	Vaginal Cylinder, closed, D=30 mm, L=130 mm	LA320-84
1	Vaginal Cylinder, closed, D=35 mm, L=130 mm	LA320-89
2	Shielding Segment 90°	LA320-90
1	Shielding Segment 180°	LA320-180
1	Receptor for Shielding Segments	LA313-25
1	Intrauterine Tube, straight	LAR01-01
2	Sealing Caps for LARXX-01 and LCRXX-01, (10 pcs)	LAZ17-02

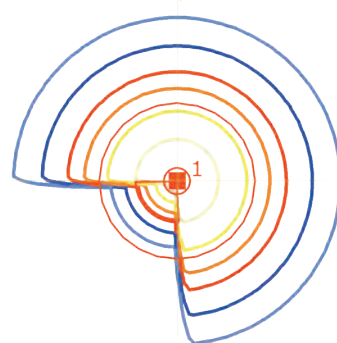
Required Items

Quantity	Item	Part number
1	Universal Applicator incl. plug, D=3 mm, L=1400 mm	LAA1400-GYN

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01

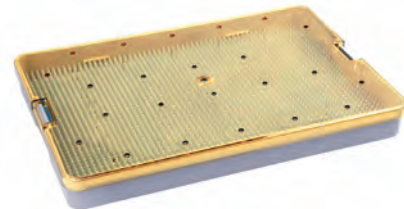
Isodose



Universal Applicator



Sterilization Box



Eckert & Ziegler
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¹ Manufactured by PST Plastic Sterilizing Trays Corporation

CT/MR Vaginal Cylinder Applicator Set

SET0125



CT compatible and MR conditional basic brachytherapy tool for use in various body sites. Well proven and easy to use.

Vagina

Ease of Use

The CT/MR Vaginal Cylinder Applicator Set contains the classical and proven vaginal applicators for intracavitary brachytherapy. Simple, yet effective, this applicator set can be used for gynecological treatments.

Easy Insertion

The cylinders are designed for easy insertion, and are tolerable for the patient during treatment. Cylinders are available in four different diameters to easily adapt to the individual patient's anatomy. The closed and curved end of the applicator facilitates insertion into the body.

Precise Dose Distribution

The CT compatible and MR conditional applicator set allows state of the art planning, improving the treatment planning processes. The cylinder design provides the desired distances between the source and target area. This applicator set is an essential brachytherapy tool for gynecological treatments.

Features

- CT compatible and MR conditional
- Cylinders of different diameters adapt to patient anatomy
- Design facilitates insertion
- Defined geometry of cylinders ensures homogeneous dose distribution at the surface
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0125

Quantity	Item	Part number
1	Vaginal Cylinder, closed, D= 22 mm, L= 130 mm	LA320-64
1	Vaginal Cylinder, closed, D= 25 mm, L= 130 mm	LA320-74
1	Vaginal Cylinder, closed, D= 30 mm, L= 130 mm	LA320-84
1	Vaginal Cylinder, closed, D= 35 mm, L= 130 mm	LA320-89
1	Fixation Tube, D= 5 mm	LC313-21
1	Adapter for Vaginal Cylinder	LC313-22
1	CT/MR Intrauterine Tube, straight	LCR01-01
2	Sealing Caps for LARXX-01 and LCRXX-01, (10 pcs)	LAZ17-02

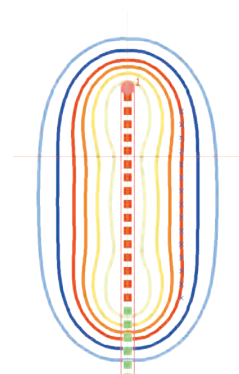
Required Items

Quantity	Item	Part number
1	Universal Applicator incl. plug, D= 3 mm, L= 1400 mm	LAA1400-GYN

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01

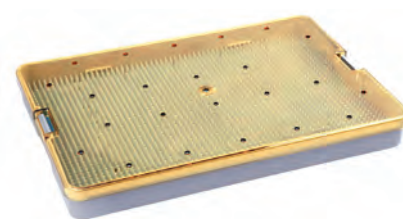
Isodose



Universal Applicator



Sterilization Box



CT/MR Portio Applicator Set

SET0108



CT compatible and MR conditional multi-channel cylinder offering a flexible way to achieve asymmetrical dose distributions if needed.

Vagina, Cervix, Endometrium

Broad Variety of Treatment Options

The CT/MR Portio Applicator Set is designed for the treatment of the vaginal cuff, vaginal vault, cervix and endometrium. The six additional channels are located concentrically around the intrauterine tube and provide additional treatment options to improve target coverage.

Added Benefit

In combination with titanium intrauterine tubes, the Portio Applicator Set can be used with CT/MR imaging. The set contains two cylinders of different diameters to accommodate individual anatomies. For vaginal treatment, the applicator is used with a straight tube (LCR01-01). For the treatment of the uterus, the applicator can be used together with the intrauterine tubes (SET1101 & SET1102).

Customized Treatment

The CT compatible and MR conditional multi-channel applicator allows state-of-the-art 3D planning. The dose distribution can be either symmetrical or asymmetrical, depending on the channels used, making this applicator a better option in some cases in comparison to the shielded vaginal applicator. The exceptional design of the CT/MR Portio Applicator Set expands the treatment options of vaginal brachytherapy.

Features

- CT compatible and MR conditional
- Multi-channel cylinder provides flexibility in establishing desired dose distribution
- Different diameters provide adaptability to individual anatomies
- Intrauterine tubes expand the treatment options to include cervix and endometrial treatment
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0108

Quantity	Item	Part number
1	CT/MR Applicator for Portio Treatment, D=25 mm, L=100 mm	LCZ04-05
1	CT/MR Applicator for Portio Treatment, D=30 mm, L=100 mm	LCZ04-15
1	Fixation Tube, D=5 mm	LC313-21

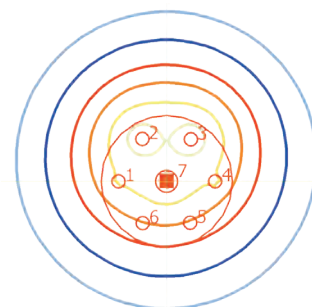
Required Items

Quantity	Item	Part number
1	Universal Applicator incl. plug, D=3 mm, L=1400 mm	LAA1400-GYN
6	Universal Applicator incl. plug, D=3 mm, L=1400 mm (sterile)	LAA1400-RU
1	CT/MR Intrauterine Tubes*	SET1101
*Alternative: CT/MR Intrauterine Tubes, thin		SET1102

Optional Items

Quantity	Item	Part number
1	CT/MR Closed Cap, D=25 mm	LCZ07-02-00
1	CT/MR Closed Cap, D=30 mm	LCZ07-03-00
1	CT/MR Open Cap, D=25 mm	LCZ07-02-01
1	CT/MR Open Cap, D=30 mm	LCZ07-03-01
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01

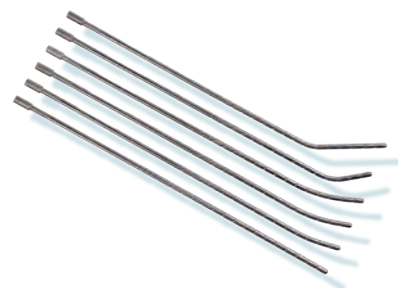
Isodose



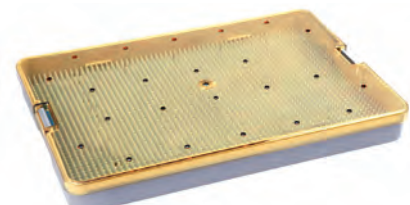
Universal Applicator



CT/MR Intrauterine Tubes



Sterilization Box



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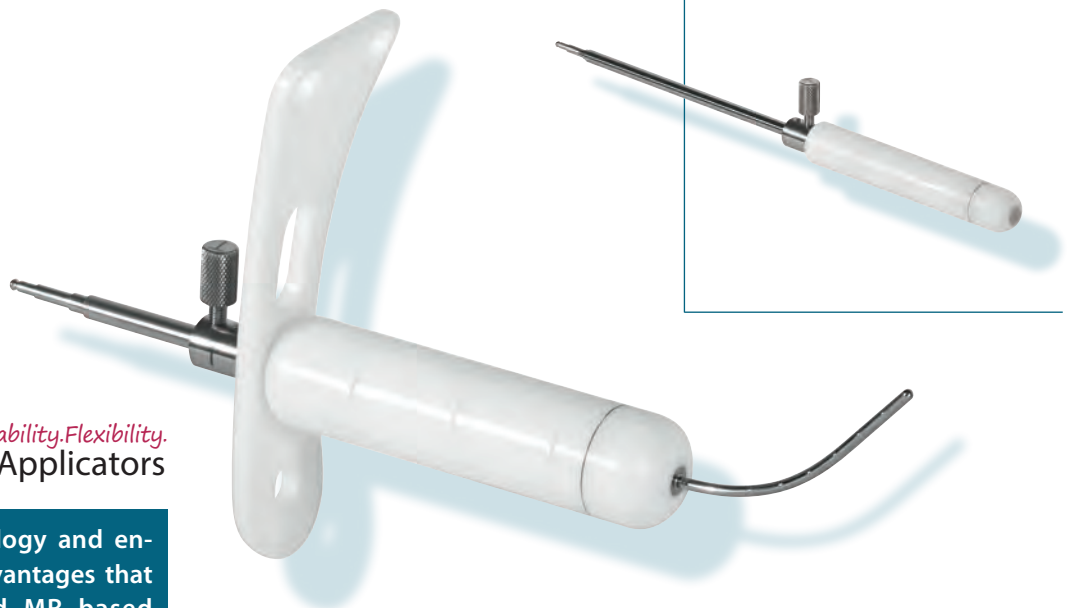
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

CT/MR Segmented Vaginal Applicator Set

SETM1406



Innovative technology and enhanced clinical advantages that facilitates CT and MR based brachytherapy planning.



Vagina, Cervix, Endometrium

Simplicity

The CT/MR Segmented Vaginal Applicator is designed to treat accurately and completely with vaginal and cervical coverage. The four-segment design in multiple widths allows for a range of both lengths as well as diameters to fit a variety of anatomies. The segments are easily fixed in place with a single, toolless lock knob.

Flexibility

The CT/MR Segmented Vaginal Applicator is available in straight, 15°, 30°, 45° or stump configurations to effectively treat a variety of anatomies. 2.0 cm, 2.5 cm, 3.0 cm and 3.5 cm diameter build-up caps are available standard and can be assembled with two, three, or all four segments.

Reliability

The titanium construction with laser welded connections allows for enhanced stability and torque resistance. The used Delrin® build-up cap cylinders resist wear and tear from repeated use and cleaning as well as sterilization.

Delrin® is a registered trademark of E. I. du Pont de Nemours and Company.

Currently, this applicator is not compatible with MultiSource® and GyneSource.

Features

- Autoclavable components
- Up to five years of useful life
- Build-up caps in sets of four segments ranging from 2.0 to 3.5 cm in diameter
- Stump and intrauterine design with three angle options
- 3.2 mm intrauterine tubes
- Includes optional perineal retainer for applicator stabilization
- Optional CT/MR intrauterine smit sleeves
- Applicator also available with connections for Varian and Elekta/Nucletron transfer tubes

Set Content SETM1406**

Quantity	Item	Part number
1	CT/MR Segmented Vaginal Applicator Intrauterine Tube, straight, L = 8 cm	LCZ1406-ST-8
1	CT/MR Stump Tube, straight	LCZ1406-STUMP
1	CT/MR Segmented Vaginal Applicator Intrauterine Tube, curved, 15°, L = 4 cm	LCZ1406-15-4
1	CT/MR Segmented Vaginal Applicator Intrauterine Tube, curved, 30°, L = 6 cm	LCZ1406-30-6
1	CT/MR Segmented Vaginal Applicator Intrauterine Tube, curved, 45°, L = 8 cm	LCZ1406-45-8
1	Spacers, L = 1 cm, 2 cm & 3 cm	LCZ1004-23
1	Distal Dome Segment, D = 2.0 cm	LCZ0804-02-2.0
1	Proximal Segment, D = 2.0 cm	LCZ0804-06-2.0
1	Middle Cylinder Segments, D = 2.0 cm, (2 pcs)	LCZ0804-05-2.0
1	Distal Dome Segment, D = 2.5 cm	LCZ0804-02-2.5
1	Proximal Segment, D = 2.5 cm	LCZ0804-06-2.5
1	Middle Cylinder Segments, D = 2.5 cm, (2 pcs)	LCZ0804-05-2.5
1	Distal Dome Segment, D = 3.0 cm	LCZ0804-02-3.0
1	Proximal Segment, D = 3.0 cm	LCZ0804-06-3.0
1	Middle Cylinder Segments, D = 3.0 cm, (2 pcs)	LCZ0804-05-3.0
1	Distal Dome Segment, D = 3.5 cm	LCZ0804-02-3.5
1	Proximal Segment, D = 3.5 cm	LCZ0804-06-3.5
1	Middle Cylinder Segments, D = 3.5 cm, (2 pcs)	LCZ0804-05-3.5
1	Collet Sleeve	LCZ1004-21
1	Collet Lock Knob	LCZ1004-22
1	Perineal Retainer	LCZ0804-20
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A

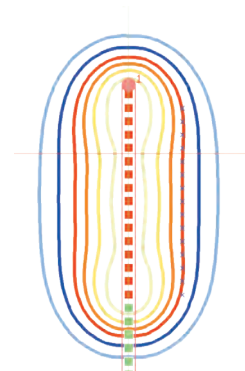
Required Items

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

Optional Items**

Quantity	Item	Part number
1	CT/MR Smit Sleeve Set (Titanium Ring), L = 20 mm - 100 mm (with 10 mm increments), (9 pcs)	LCZ0412-S

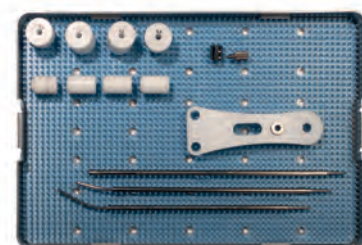
Isodose



Segmented Vaginal Cylinder Segments



Sterilization Tray with Segmented Vaginal Applicator Set Components



Full SETM1406 is not represented in image

Transfer Tube



¹ Manufactured by PST Plastic Sterilizing Trays Corporation

**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers



CT/MR Miami Applicator Set

SETM1410



Innovative technology and enhanced clinical advantages that facilitates CT and MR based brachytherapy planning.



Vagina, Cervix, Endometrium

Simplicity

The CT/MR Miami Applicator is designed for simplicity, even in the most advanced settings. The CT/MR Miami Applicator 7-channel design enables either complete or targeted treatment throughout the vagina and cervix. It allows for accurate and reliable treatments in nearly any anatomy with a range of intrauterine angle and stump configurations, various sized build-up caps and optional dome end build-up caps. The single step applicator placement requires minimal intracavitary assembly. The detachable body, cylinder and docking unit design enable quick setup and simplify cleaning. Also the cervical stop enhances repeatability and reduces potential for iatrogenic injury.

Flexibility

The CT/MR Miami Applicator Set includes standard 30°, 0° and stump configurations to effectively treat a variety of anatomies. The 3.0 cm, 3.5 cm and 4.0 cm build-up cap, cylinders and optional domes allow for enhanced source spacing, and the 7-channel design enables more precise dose distribution around circumference of the vagina.

Reliability

The titanium construction with laser welded connections allows for enhanced stability and torque resistance. Keyed connections ensure consistent alignment of channels and Intrauterine Tube every time.

Currently, this applicator is not compatible with MultiSource® and GyneSource.

Features

- Autoclavable components
- Up to five years of useful life
- Flat and optional domed cylinders for variety of anatomies
- 3.2 mm intrauterine tubes
- Enhanced control of vaginal and cervical dose with six circumferential tubes plus a central intrauterine tube
- Optional CT/MR intrauterine smit sleeves
- Applicator also available with connections for Varian and Elekta/Nucletron transfer tubes

Set Content SETM1410**

Quantity	Item	Part number
1	CT/MR Miami Applicator Intrauterine Tube, 30°	LCZ1410-IU-30
1	CT/MR Miami Applicator Intrauterine Tube, straight	LCZ1410-IU-ST
1	Docking Unit Assembly	LCZ1410-36
1	CT/MR Miami Applicator Body	LCZ0904-01
1	Build-Up Cap, D = 30 mm	LCZ0904-02-30
1	Build-Up Cap, D = 35 mm	LCZ0904-02-35
1	Build-Up Cap, D = 40 mm	LCZ0904-02-40
1	Tandem Lock Nut	LCZ0904-10
1	Cervical Stop	LCZ0508-10
1	Stainless Steel Allen Wrench	LCZ7311
1	Stump Plug	LCZ0104-30
1	Stump Plug Insertion Tool	LCZ0104-29
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Sterilization Tray	LCZ0087300

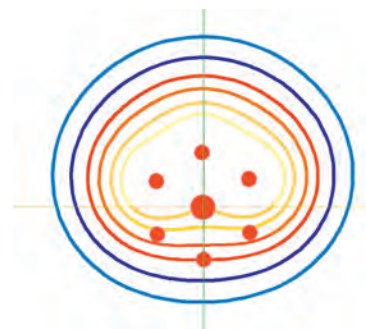
Required Items

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

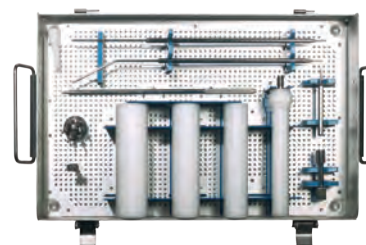
Optional Items**

Quantity	Item	Part number
1	Domed Build-Up Cap, D = 25 mm	LCZ0904-40-25
1	Domed Build-Up Cap, D = 30 mm	LCZ0904-40-30
1	Domed Build-Up Cap, D = 35 mm	LCZ0904-40-35
1	Domed Build-Up Cap, D = 40 mm	LCZ0904-40-40
1	Build-Up Cap, D = 25 mm	LCZ0904-02-25
1	CT/MR Smit Sleeve Set (Titanium Ring), L = 20 mm - 100 mm (with 10 mm increments), (9 pcs)	LCZ0412-S

Isodose



Sterilization Tray with Miami Applicator Set Components



Transfer Tube



**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers

CT/MR Adjustable Cervix Applicator Set

SET0117



Proven, CT compatible and MR conditional tool for gynecological brachytherapy with funnel-shaped cylinder for precise dose distribution.

Vagina, Cervix, Endometrium

CT/MR Compatibility

The CT/MR Adjustable Cervix Applicator Set is CT compatible and MR conditional and allows for brachytherapy treatments of the cervix and endometrium. The funnel-shaped end of the cylinder allows for an easy positioning of the intrauterine tube, thus enhancing dose distribution.

Different Diameters

This set contains cylinders of different diameters that easily adapt to the anatomical area. The additional intrauterine tubes (SET1101 & SET1102) extend the treatment possibilities to include the endometrium.

Precise Dose Distribution

Precise dose distribution is easily obtained using this uniquely designed applicator. The cylinder provides spacing to enhance the dose distribution at the surface of the applicator. The CT/MR Adjustable Cervix Applicator is designed to provide precise gynecological brachytherapy.

Features

- CT compatible and MR conditional
- Funnel-shaped applicator provides precise dose distribution
- Cylinders of different diameters adapt to individual anatomical needs
- Additional intrauterine tubes extend the treatment options to include endometrial treatment
- Cylinder provides spacing for a homogeneous dose distribution at the surface of the applicator
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0117

Quantity	Item	Part number
1	CT/MR Vaginal Cylinder, cervix, D = 25 mm, L = 130 mm	LC315-14
1	CT/MR Vaginal Cylinder, cervix, D = 30 mm, L = 130 mm	LC315-24
1	CT/MR Vaginal Cylinder, cervix, D = 20 mm, L = 130 mm	LC315-54
1	Fixation Tube, D = 5 mm	LC313-21

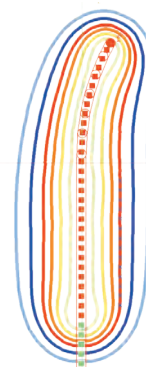
Required Items

Quantity	Item	Part number
1	Universal Applicator incl. plug, D = 3 mm, L = 1400 mm*	LAA1400-GYN
1	CT/MR Intrauterine Tubes*	SET1101
*Alternative: CT/MR Intrauterine Tubes, thin + Transfer Tube, D = 3 mm, L = 1000 mm		SET1102 + LAF1000

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01

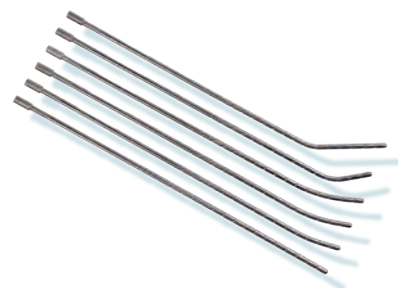
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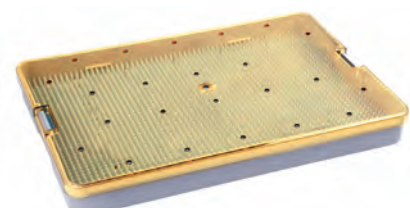
Universal Applicator



CT/MR Intrauterine Tubes



Sterilization Box



Eckert & Ziegler
Contributing to saving lives

¹ Manufactured by PST Plastic Sterilizing Trays Corporation

Fletcher Applicator Set

SET0009



Essential brachytherapy tool with intrauterine tube and ovoid tubes for gynecological applications.

Cervix, Endometrium

Fletcher Geometry

The Fletcher Applicator Set is based on the "Fletcher-style" geometry for gynecological brachytherapy. This design combines an angled intrauterine tube with ovoid tubes to provide very good dose coverage to the endometrium and cervix.

Easy Insertion

The intrauterine tubes and individual ovoid tubes are easy to insert. Once in place, they lock together, remaining stable and immobile during treatment. The ovoids provide spacing between the source and the tissue.

Precise Dose Distribution

This specially designed applicator generates precise dose distribution to completely encompass the endometrium and cervix. The Fletcher Applicator Set is an important tool for gynecological brachytherapy.

Features

- Intrauterine tube and ovoids are anatomically designed
- Set provides precise dose distribution to the cervix
- Intrauterine tube and ovoid tubes lock together, remaining stable and immobile
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0009

Quantity	Item	Part number
1	Ovoid Tubes, right and left (Fletcher)	LAR72-02
1	Ovoids, D = 20 mm, L = 30 mm, (2 pcs)	LA330-17
1	Opening Forceps for Holding Discs ²	LAH05-03
2	Sealing Caps for LARXX-XX and LCRXX-XX, (10 pcs)	LAZ17-02
1	Screwdriver 1.5 mm	LAZ09-01
1	Holding Discs for Gyn. Applicators, d = 5 mm, D = 15 mm, (5 pcs)	LAZ03-01

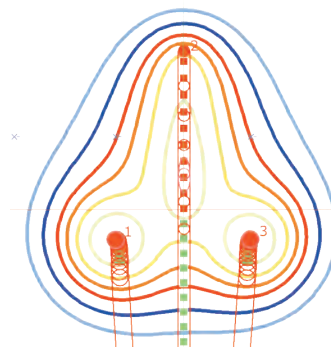
Required Items

Quantity	Item	Part number
3	Universal Applicator incl. plug, D = 3 mm, L = 1400 mm	LAA1400-GYN
1	Intrauterine Tubes*	Set1001
*Alternative: CT/MR Intrauterine Tubes, thin + Transfer Tube, D = 3 mm, L = 1000 mm		SET1102 + LAF1000

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	CT/MR Rectal Retractor	LCZ50-01

Isodose



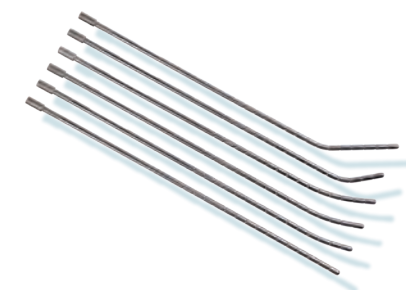
Opening Forceps for Holding Discs



Universal Applicator



Intrauterine Tubes



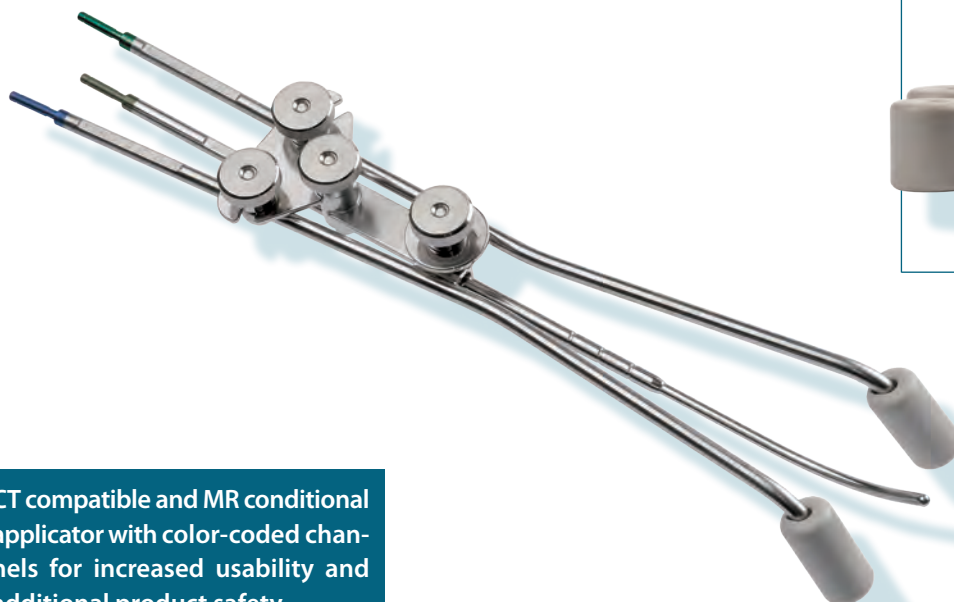
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

² Manufactured by Otto Leibinger GmbH



CT/MR Fletcher Applicator Set

SET0109



CT compatible and MR conditional applicator with color-coded channels for increased usability and additional product safety.

Endometrium, Cervix

“Fletcher-style” Geometry

The CT/MR Fletcher Applicator Set is based on the geometry of the conventional “Fletcher-style” applicator design for gynecological brachytherapy. It is mainly intended for the treatment of the cervix. The CT compatible and MR conditional applicator is made of titanium. This makes it mechanically robust, with minimal artefacts in CT and MR images.

Easy Insertion

The thin intrauterine tubes and the individual ovoid tubes are easy to insert. Once in position, they lock together and are secured with tightening screws to remain stable and immobile during treatment. The ovoids provide spacing between the source and tissue. To enhance the adaptation to the anatomy of the individual patient, the set includes ovoids of different sizes.

Precise Dose Distribution

This specially designed applicator generates precise dose distribution to completely encompass the endometrium and cervix. The CT/MR Fletcher Applicator Set is an important tool for gynecological brachytherapy.

Features

- CT compatible and MR conditional
- Color-coded channels to facilitate use and enhance safety
- Ovoids made of polyetheretherketone are well-designed for adaptation to the patient's anatomy
- Enhanced dose distribution to the cervix and endometrium
- Intrauterine tubes and ovoid tubes lock together, remaining stable and immobile
- Holding discs to prevent perforation
- Applicator can easily be attached to the applicator clamp (LAZ22-01)
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization

Set Content SET0109

Quantity	Item	Part number
1	CT/MR Fletcher Ovoid Tubes, right and left	LCT82-02
1	Mini-Ovoid Pair, D = 15 mm, L = 30 mm, (2 pcs)	LC330-01
1	Ovoid Pair, D = 20 mm, L = 30 mm, (2 pcs)	LC330-02
1	Ovoid Pair, D = 25 mm, L = 30 mm, (2 pcs)	LC330-03
1	Ovoid Pair, D = 30 mm, L = 30 mm, (2 pcs)	LC330-04
1	Screwdriver 1.5 mm	LAZ09-01
2	Sealing Caps, (10 pcs)	LAZ17-03

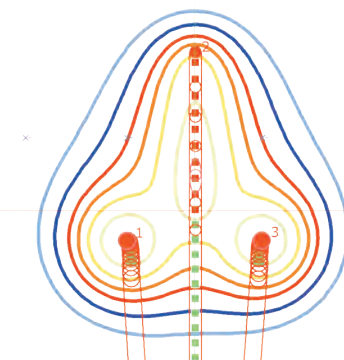
Required Items

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: green, Channel: 1	LAF1000-1
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: yellow, Channel: 2	LAF1000-2
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: blue, Channel: 3	LAF1000-3
1	CT/MR Intrauterine Tubes, thin*	SET1102
*Alternative: CT/MR Intrauterine Tubes + Universal Applicator incl. plug, D = 3 mm, L = 1400 mm		SET1101 + LAA1400-GYN

Optional Items

Quantity	Item	Part number
1	Opening Forceps for Holding Discs ²	LAH05-03
1	CT/MR Holding Discs for Gyn. Applicators, d = 3.5 mm, D = 15 mm, (5 pcs)	LCZ03-03
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	CT/MR Rectal Retractor	LCZ50-01
1	CT/MR Perineal Bar	LCZ51-01

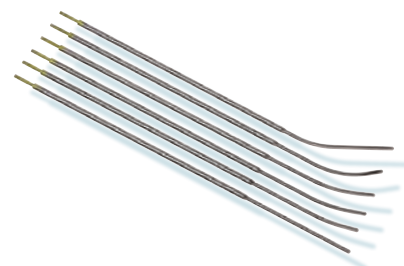
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Transfer Tubes



CT/MR Intrauterine Tubes



CT/MR Rectal Retractor



¹ Manufactured by PST Plastic Sterilizing Trays Corporation

² Manufactured by Otto Leibinger GmbH



CT/MR Fletcher (FSD) Applicator Set

SETM1409



Innovative design provides for enhanced clinical advantages and facilitates CT and MR based brachytherapy planning.

Cervix, Endometrium

Well-Accepted Design

The CT/MR Fletcher (FSD) Applicator leverages the well-accepted intrauterine tube and ovoid structure of the Fletcher-Suit-Delclos design, but enhances usability and flexibility. The connecting bracket is designed with concentric locking knobs that fix the intrauterine tube in place between the ovoids while the lateral positioning remains unrestricted, providing a high degree of flexibility and adaptation to anatomical conditions.

Adjustable Rectal Retractor

The CT/MR Fletcher Applicator Set includes an adjustable rectal retractor for immobilization without packing. Additionally, three ovoid pairs of varying sizes and four intrauterine tubes with different lengths are included to accommodate a wide variety of anatomies.

MR Conditionality

All materials for this applicator, such as medical grade titanium, have been selected to enable MR conditionality for enhanced planning and structural integrity, to give you the confidence for accurate placement and treatment in case after case, year after year – up to 5 years of useful life.

Currently, this applicator is not compatible with MultiSource® and GyneSource.

Features

- Ovoid pairs in 2.0 cm, 2.5 cm and 3.0 cm diameters
- 3.2 mm intrauterine tubes with 2 cm, 4 cm, 6 cm, and 8 cm lengths
- MR conditional for 1.5T and 3T
- Lightweight construction that is simple to assemble
- Rectal retractor may eliminate need for packing
- Reusable and autoclavable (steam sterilizable) for up to five years of clinical use
- Optional CT/MR intrauterine smit sleeves
- Applicator also available with connections for Varian and Elekta/Nucletron transfer tubes

Set Content SETM1409**

Quantity	Item	Part number
1	CT/MR Fletcher-Suit-Delclos (FSD), right	LCZ1409-R
1	CT/MR Fletcher-Suit-Delclos (FSD), left	LCZ1409-L
1	CT/MR Fletcher-Suit-Delclos (FSD) Intrauterine Tube, L = 20 mm	LCZ1409-2
1	CT/MR Fletcher-Suit-Delclos (FSD) Intrauterine Tube, L = 40 mm	LCZ1409-4
1	CT/MR Fletcher-Suit-Delclos (FSD) Intrauterine Tube, L = 60 mm	LCZ1409-6
1	CT/MR Fletcher-Suit-Delclos (FSD) Intrauterine Tube, L = 80 mm	LCZ1409-8
1	Ovoid Pair, D = 20 mm, (2 pcs)	LCZ0612-12
1	Ovoid Pair, D = 25 mm, (2 pcs)	LCZ0612-11
1	Ovoid Pair, D = 30 mm, (2 pcs)	LCZ0612-10
1	CT/MR Universal Rectal Retractor	LCZ1209
1	Cervical Stop	LCZ0508-10
1	Tandem Lock Knob	LCZ0702-16
1	Distal Bracket Lock Knob	LCZ0702-17
1	Spacing Lock Knob	LCZ0508-08
1	Tandem Clamp	LCZ0702-18
1	Stainless Steel Allen Wrench	LCZ7311
1	Stainless Steel Ruler, L = 15 cm	LCZ7610
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A

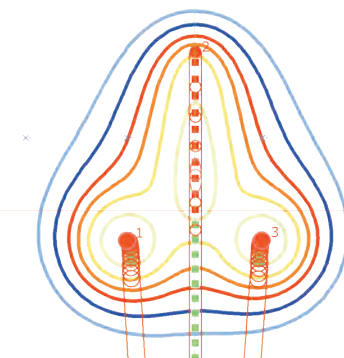
Required Items

Quantity	Item	Part number
1	Transfer Tube, D=3 mm, L=1000 mm, Color code: green, Channel: 1	LAF1000-1
1	Transfer Tube, D=3 mm, L=1000 mm, Color code: yellow, Channel: 2	LAF1000-2
1	Transfer Tube, D=3 mm, L=1000 mm, Color code: blue, Channel: 3	LAF1000-3

Optional Items**

Quantity	Item	Part number
1	Ovoid Pair, D = 15 mm, (2 pcs)	LCZ0612-16
1	CT/MR Smit Sleeve Set (Titanium Ring), L = 20 mm - 100 mm (with 10 mm increments), (9 pcs)	LCZ0412-S

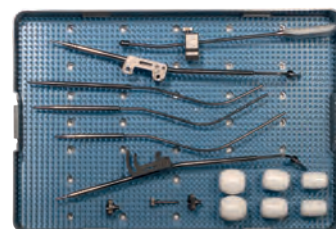
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Fletcher Ovoid Pairs



Sterilization Box with Fletcher (FSD) Applicator Set Components



All items in SETM1409 not included in image

Transfer Tubes

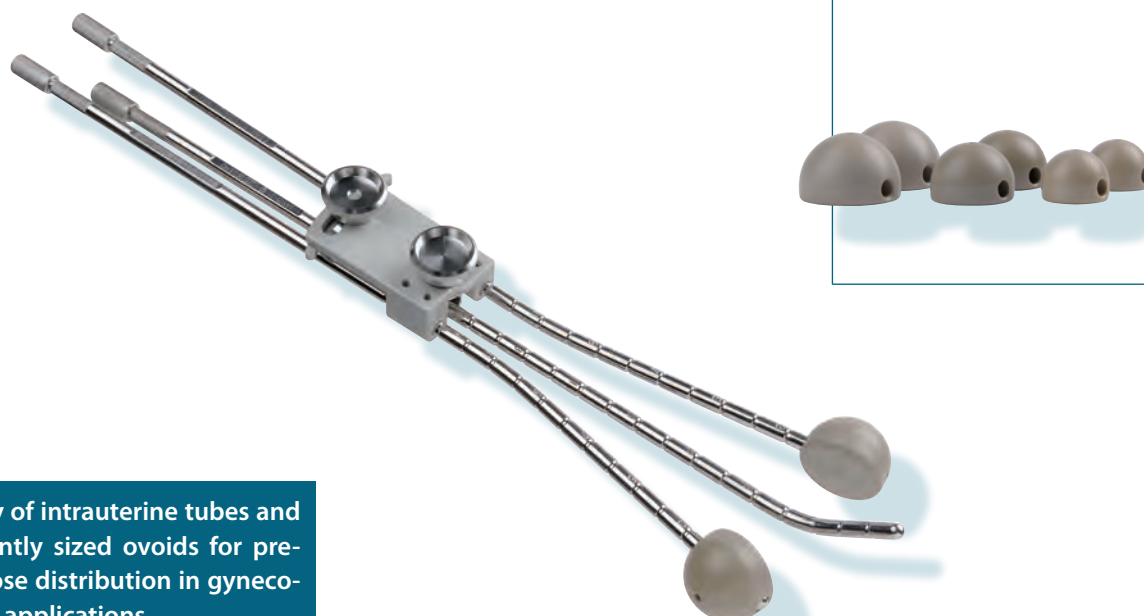


¹ Manufactured by PST Plastic Sterilizing Trays Corporation

**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers

Manchester Applicator Set

SET0024



Variety of intrauterine tubes and differently sized ovoids for precise dose distribution in gynecological applications.

Endometrium, Cervix

Manchester Geometry

The Manchester Applicator Set is based on the “Manchester-style” geometry for gynecological brachytherapy. This design incorporates intrauterine tubes with semispherical ovoids that conform to the anatomical site. This combination allows a precise dose to the endometrium and cervix.

Easy Insertion and Expansion

The intrauterine tube is available in different angles and intrauterine lengths to match the individual patient’s anatomy (SET1001 & SET1102). The ovoid tubes are inserted separately, connected to the already placed intrauterine tube and spread out to reach the desired configuration. The ovoids and intrauterine tube lock together, remaining stable and immobile during treatment.

Precise Dose Distribution

This combination of intrauterine tube and ovoids creates a precise dose distribution to encompass the target volume. The expansion of the ovoids provides tissue spacing which reduces the dose to the bladder and rectum. The Manchester Applicator Set is an essential tool for gynecological brachytherapy.

Features

- Intrauterine tubes and ovoids are designed in the "Manchester-style"
- Ovoid tubes are separately inserted and then easily locked together
- Set provides precise dose distribution to the target volume
- The ovoids and intrauterine tube lock together, remaining stable and immobile
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0024

Quantity	Item	Part number
1	Ovoid Tubes, right and left (Manchester)	LAR81-02
1	Ovoids, D = 20 mm, L = 15 mm, (2 pcs)	LA330-14
1	Ovoids, D = 25 mm, L = 17.5 mm, (2 pcs)	LA330-15
1	Ovoids, D = 30 mm, L = 20 mm, (2 pcs)	LA330-16
1	Opening Forceps for Holding Discs ²	LAH05-03
2	Sealing Caps for LARXX-XX and LCRXX-XX, (10 pcs)	LAZ17-02
1	Screwdriver 1.5 mm	LAZ09-01
1	Holding Discs for Gyn. Applicators, d = 5 mm, D = 15 mm, (5 pcs)	LAZ03-01

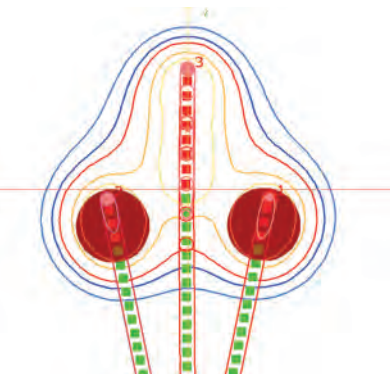
Required Items

Quantity	Item	Part number
3	Universal Applicator incl. plug, D = 3 mm, L = 1400 mm	LAA1400-GYN
1	Intrauterine Tubes*	SET1001
*Alternative: CT/MR Intrauterine Tubes, thin + Transfer Tube, D = 3 mm, L = 1000 mm		SET1102 + LAF1000

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	CT/MR Rectal Retractor	LCZ50-01

Isodose



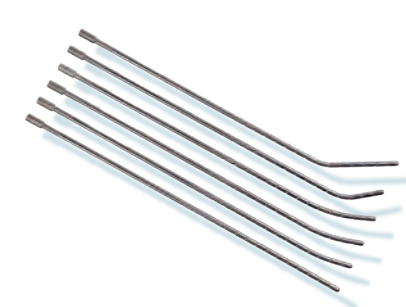
Opening Forceps for Holding Discs



Universal Applicator



Intrauterine Tubes



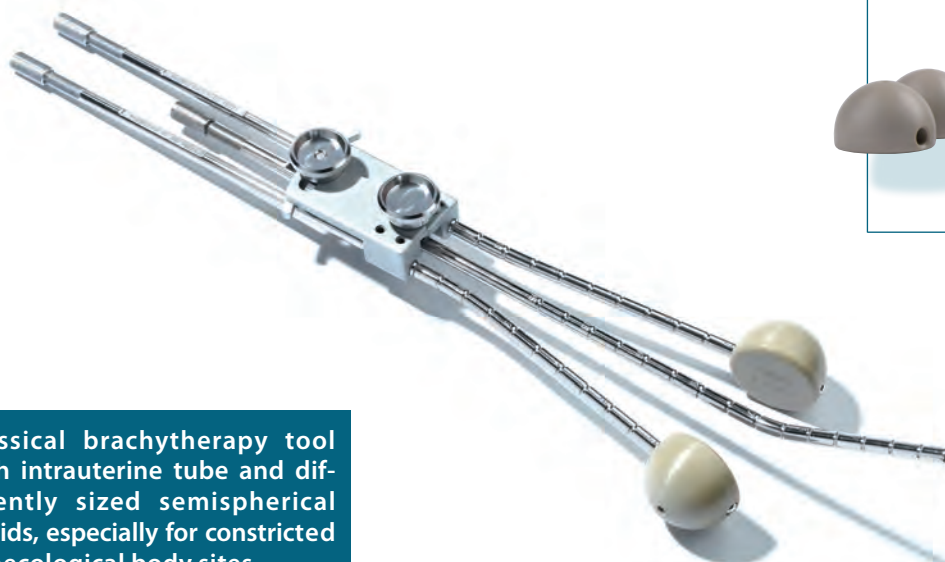
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

² Manufactured by Otto Leibinger GmbH



Henschke Applicator Set

SET0035



Classical brachytherapy tool with intrauterine tube and differently sized semispherical ovoids, especially for constricted gynecological body sites.

Cervix, Endometrium

Henschke Geometry

The Henschke Applicator Set is based on the "Henschke-style" geometry for gynecological brachytherapy. This design combines an intrauterine tube with semispherical ovoids to conform to the anatomical site. This combination allows for a precise dose to the cervix and endometrium.

Matches Patient Anatomy

The intrauterine tube is available in different intrauterine lengths and angles to match the individual patient's anatomy (SET1001, SET1101 & SET1102). The ovoids are inserted separately, connected to the already inserted intrauterine tube and expanded to reach the desired configuration. The ovoids and intrauterine tube lock together, remaining stable and immobile during treatment.

Precise Dose Distribution

This applicator set generates precise dose distribution to the target volume cervix uteri. The ovoid caps and the possibility of spreading out the ovoids reduce the dose to the rectum and bladder. The Henschke Applicator Set is a classical tool for gynecological brachytherapy, especially for narrow vaginas.

Features

- Intrauterine tubes and ovoids are designed in the "Henschke-style"
- Ovoids can be spread out to reduce dose to the surrounding tissue
- Henschke Set provides precise dose distribution to the target volume
- Ovoids and intrauterine tube lock together, remaining stable and immobile
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0035

Quantity	Item	Part number
1	Ovoid Tubes, right and left (Henschke)	LAR84-02
1	Ovoids, D=20 mm, L = 15 mm, (2 pcs)	LA330-14
1	Ovoids, D=25 mm, L = 17.5 mm, (2 pcs)	LA330-15
1	Ovoids, D=30 mm, L = 20 mm, (2 pcs)	LA330-16
1	Opening Forceps for Holding Discs ²	LAH05-03
2	Sealing Caps for LARXX-XX and LCRXX-XX, (10 pcs)	LAZ17-02
1	Screwdriver 1.5 mm	LAZ09-01
1	Holding Discs for Gyn. Applicators, d = 5 mm, D = 15 mm, (5 pcs)	LAZ03-01

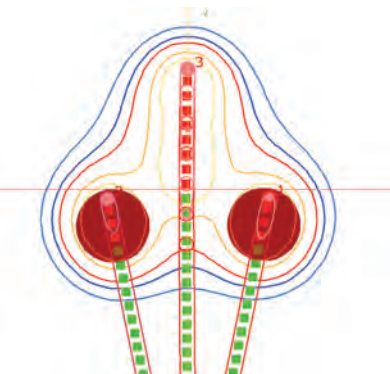
Required Items

Quantity	Item	Part number
3	Universal Applicator incl. plug, D = 3 mm, L = 1400 mm	LAA1400-GYN
1	Intrauterine Tubes*	SET1001
*Alternative 1:	CT/MR Intrauterine Tubes	SET1101
*Alternative 2:	CT/MR Intrauterine Tubes, thin + Transfer Tube, D = 3 mm, L = 1000 mm	SET1102 + LAF1000

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	CT/MR Rectal Retractor	LCZ50-01

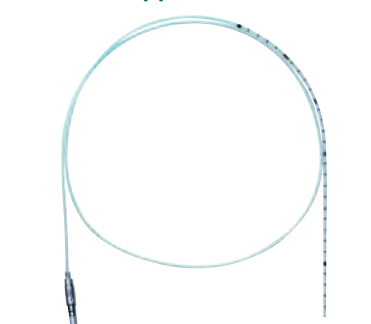
Isodose



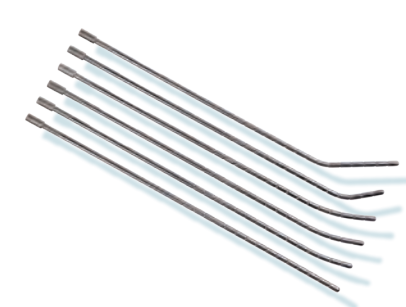
Opening Forceps for Holding Discs



Universal Applicator



Intrauterine Tubes



¹ Manufactured by PST Plastic Sterilizing Trays Corporation

² Manufactured by Otto Leibinger GmbH



CT/MR Henschke Applicator Set

SETM1408



Innovative design provides for enhanced clinical advantages and facilitates CT and MR based brachytherapy planning.



Cervix, Endometrium

Well-Accepted Design

The CT/MR Henschke Applicator leverages the well-accepted intrauterine tube and ovoid structure of the Henschke design, but enhances usability and flexibility. The connecting bracket is designed with concentric locking knobs that fix the intrauterine tube in place between the ovoids while the lateral positioning remains unrestricted, providing a high degree of flexibility and adaptation to anatomical conditions.

Accessories Included

The CT/MR Henschke Applicator Set includes an adjustable rectal retractor for immobilization without packing and three ovoid pairs with three intrauterine tubes of varying sizes and curvatures to accommodate a wide variety of anatomies.

MR Conditionality

All materials for this applicator, such as medical grade titanium, have been selected to enable MR conditionality for enhanced planning and structural integrity, to give you the confidence for accurate placement and treatment in case after case, year after year – up to five years of useful life.

Currently, this applicator is not compatible with MultiSource® and GyneSource.

Features

- Ovoid pairs in 2.0 cm, 2.5 cm and 3.0 cm diameters
- Intrauterine tubes with straight, medium curve and maximum curve configurations
- CT compatible and MR conditional for 1.5T and 3T
- Lightweight construction that is simple to assemble
- Reusable and autoclavable (steam sterilizable) for up to five years of clinical use
- Optional CT/MR intrauterine smit sleeves
- Applicator also available with connections for Varian and Elekta/Nucletron transfer tubes

Set Content SETM1408**

Quantity	Item	Part number
1	CT/MR Henschke Applicator, right	LCZ1408-R
1	CT/MR Henschke Applicator, left	LCZ1408-L
1	CT/MR Henschke Intrauterine Tube, straight	LCZ1408-S
1	CT/MR Henschke Intrauterine Tube, med-curve	LCZ1408-M
1	CT/MR Henschke Intrauterine Tube, max-curve	LCZ1408-MX
1	Ovoid Pair, D = 20 mm, (2 pcs)	LCZ0508-13-2.0
1	Ovoid Pair, D = 25 mm, (2 pcs)	LCZ0508-13-2.5
1	Ovoid Pair, D = 30 mm, (2 pcs)	LCZ0508-13-3.0
1	CT/MR Universal Rectal Retractor	LCZ1209
1	Cervical Stop	LCZ0508-10
1	Tandem Lock Knob	LCZ0508-16
1	Distal Bracket Lock Knob	LCZ0508-17
1	Spacing Lock Knob	LCZ0508-08
1	Tandem Clamp	LCZ0508-07
1	Stainless Steel Allen Wrench	LCZ7311
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Stainless Steel Ruler, L = 15 cm	LCZ7610
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A

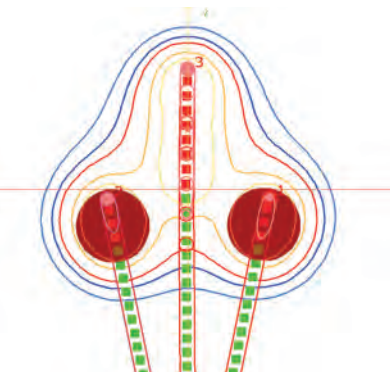
Required Items

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: green, Channel: 1	LAF1000-1
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: yellow, Channel: 2	LAF1000-2
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: blue, Channel: 3	LAF1000-3

Optional Items**

Quantity	Item	Part number
1	CT/MR Smit Sleeve Set (Titanium Ring), L = 20 mm - 100 mm (with 10 mm increments), (9 pcs)	LCZ0412-S

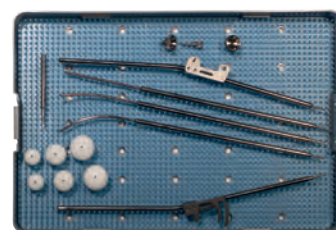
Isodose



Henschke Ovoid Pairs



Sterilization Box with Henschke Applicator Set Components



All items in SETM1408 not included in image

Transfer Tubes



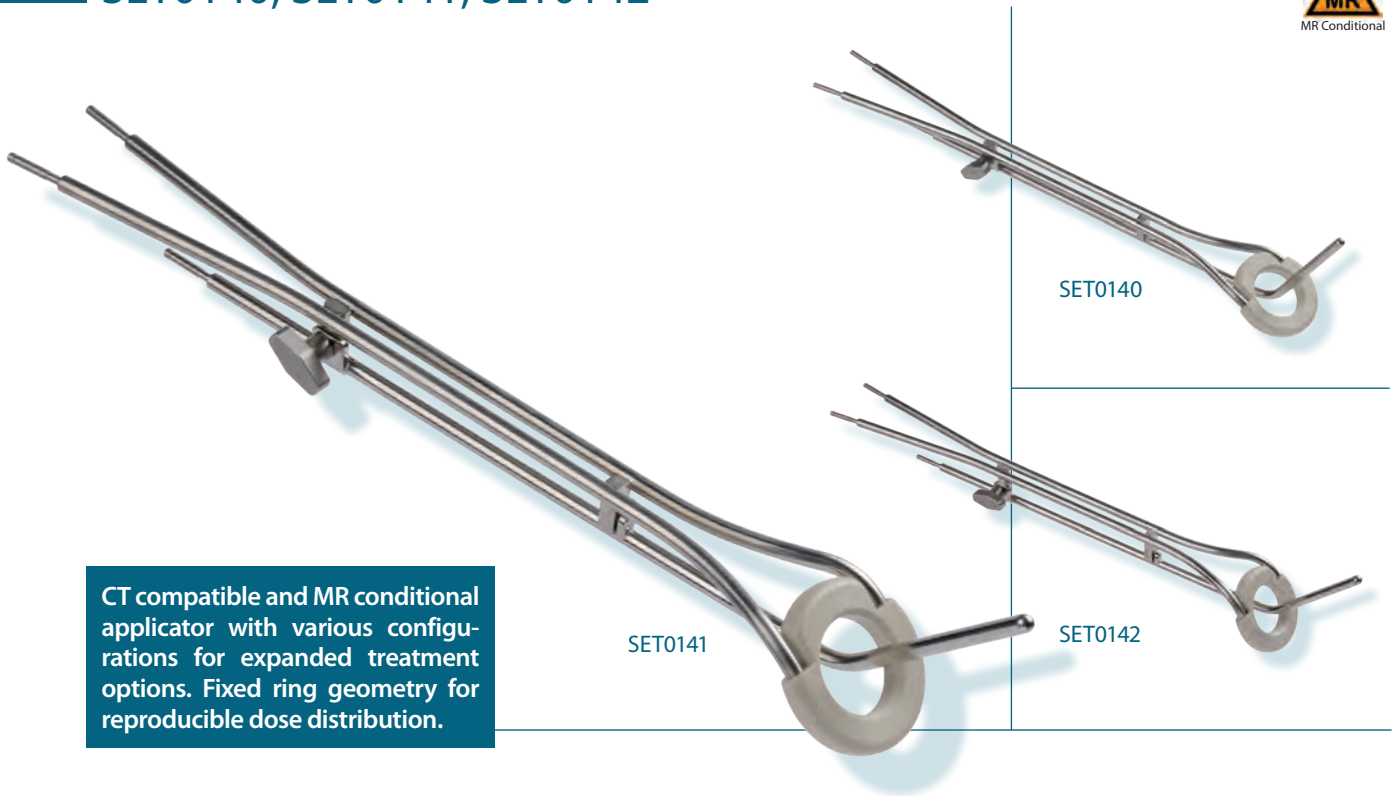
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers



CT/MR Ring Applicator Sets (30°, 45°, 60°)

SET0140, SET0141, SET0142



CT compatible and MR conditional applicator with various configurations for expanded treatment options. Fixed ring geometry for reproducible dose distribution.

Cervix, Endometrium

Essential Brachytherapy Tool

The CT/MR Ring Applicator is based on the Stockholm technique for gynecological brachytherapy. The intrauterine tube and ring can easily be inserted. Once in place, they lock together in a fixed geometry, remaining stable and immobile during treatment. The CT/MR Ring Applicator is a versatile and important tool for gynecological brachytherapy.

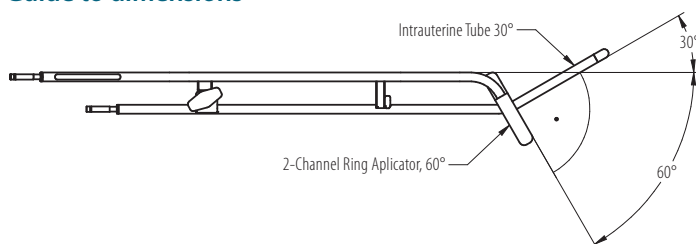
Various Configurations

The CT/MR Ring Applicator is available in 30°, 45° and 60° sets, with the angle defined relative to the axis of the applicator. Each set consists of three 2-Channel Ring Applicators with diameters of 25 mm, 30 mm, and 35 mm, measured from center to center, along with three corresponding intrauterine tubes with lengths of 20 mm, 40 mm, and 60 mm. The polyetheretherketone rings with outer diameters of 36 mm, 42 mm and 45 mm are permanently attached.

Targeted Dose Coverage

The fixed geometry of the CT/MR Ring Applicator provides a reproducible dose distribution for gynecological brachytherapy. The combination of a ring and an angled intrauterine tube passing through the center of the ring results in a targeted dose coverage to the endometrium and cervix.

Guide to dimensions



Features

- CT compatible and MR conditional
- Different intrauterine lengths, angles and ring diameters
- The fixed geometry of the Ring Applicators allows reproducible dose distributions
- Intrauterine tube and ring lock together, remaining immobile and stable
- Fixed cap of the polyetheretherketone ring reduces dose to surface by distance
- Sets are reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Applicator can easily be attached to the applicator clamp (LAZ22-01)

Set Content SET0140 (30°)

Quantity	Item	Part number
1	CT/MR 2-Channel Ring Applicator, 30°, D=25 mm	LCT40-1
1	CT/MR 2-Channel Ring Applicator, 30°, D=30 mm	LCT40-2
1	CT/MR 2-Channel Ring Applicator, 30°, D=35 mm	LCT40-3
1	CT/MR Intrauterine Tube for Ring Applicator, 30°, L=20 mm	LCT40-6
1	CT/MR Intrauterine Tube for Ring Applicator, 30°, L=40 mm	LCT40-7
1	CT/MR Intrauterine Tube for Ring Applicator, 30°, L=60 mm	LCT40-8
2	Sealing Caps, (10 pcs)	LAZ17-03

Set Content SET0141 (45°)

Quantity	Item	Part number
1	CT/MR 2-Channel Ring Applicator, 45°, D=25 mm	LCT41-1
1	CT/MR 2-Channel Ring Applicator, 45°, D=30 mm	LCT41-2
1	CT/MR 2-Channel Ring Applicator, 45°, D=35 mm	LCT41-3
1	CT/MR Intrauterine Tube for Ring Applicator, 45°, L=20 mm	LCT41-6
1	CT/MR Intrauterine Tube for Ring Applicator, 45°, L=40 mm	LCT41-7
1	CT/MR Intrauterine Tube for Ring Applicator, 45°, L=60 mm	LCT41-8
2	Sealing Caps, (10 pcs)	LAZ17-03

Set Content SET0142 (60°)

Quantity	Item	Part number
1	CT/MR 2-Channel Ring Applicator, 60°, D=25 mm	LCT42-1
1	CT/MR 2-Channel Ring Applicator, 60°, D=30 mm	LCT42-2
1	CT/MR 2-Channel Ring Applicator, 60°, D=35 mm	LCT42-3
1	CT/MR Intrauterine Tube for Ring Applicator, 60°, L=20 mm	LCT42-6
1	CT/MR Intrauterine Tube for Ring Applicator, 60°, L=40 mm	LCT42-7
1	CT/MR Intrauterine Tube for Ring Applicator, 60°, L=60 mm	LCT42-8
2	Sealing Caps, (10 pcs)	LAZ17-03

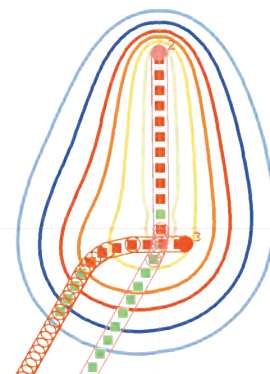
Required Items

Quantity	Item	Part number
3	Transfer Tube, D=3 mm, L=1000 mm	LAF1000

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	CT/MR Rectal Retractor	LCZ50-01
1	CT/MR Perineal Bar	LCZ51-01

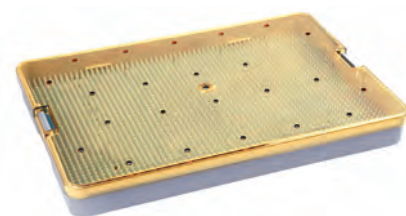
Isodose



Transfer Tube



Sterilization Box

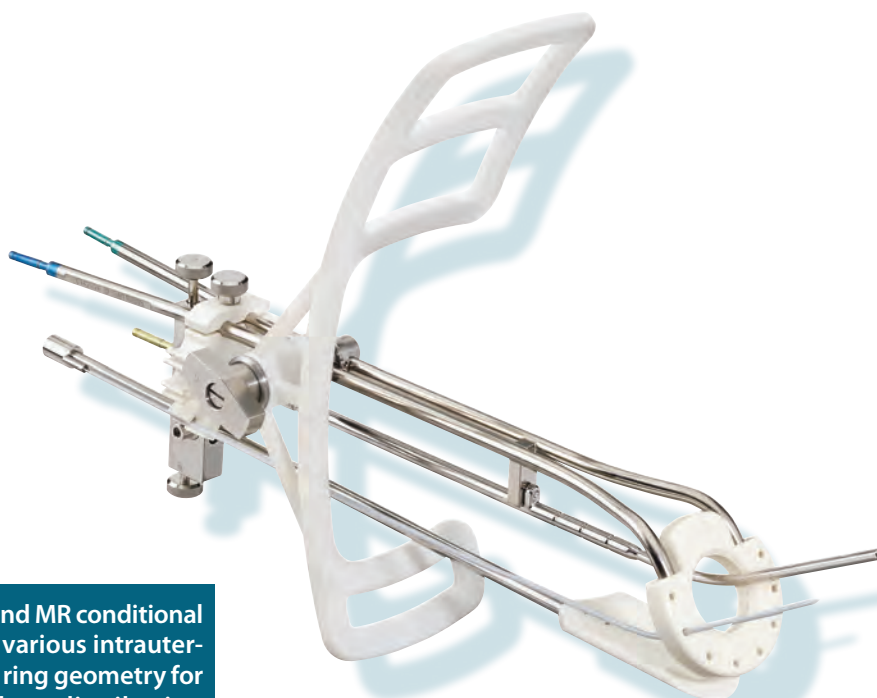


Eckert & Ziegler
Contributing to saving lives

¹ Manufactured by PST Plastic Sterilizing Trays Corporation

Interstitial CT/MR Ring Applicator Set (60°)

SET0152



CT compatible and MR conditional applicator with various intrauterine tubes. Fixed ring geometry for reproducible dose distribution and channels along the ring for additional needle placement.

Cervix, Endometrium

Modern Brachytherapy Tool

The Interstitial CT/MR Ring Applicator expands the treatment options for cervix and endometrium tumors with lateral expansion as is the case for parametrial tumor growth. This combination of the classical intracavitary treatment with an interstitial component leads to improved local control without increasing the side effects. The design, using titanium for the intrauterine tubes and the locking mechanism, guarantees structural stability.

Targeted Dose Coverage

The applicator design is in line with the Vienna technique for gynecological brachytherapy combined with interstitial treatment. Image-guided needle placement in the parametrium enables the user to overcome the limitations of the classical Ring Applicator. The needle template, which is integrated in the ring, enhances the accuracy and reproducibility of needle implants. Both implants parallel to the intrauterine tube (0°) as well as implants with diverging needles (5°) are possible. Dose distributions can be tailored via MR based imaging to match the target and to spare the organs at risk.

Various Configurations

The Interstitial CT/MR Ring Applicator Set (60°) is composed of a 30 mm Ring Applicator and four intrauterine tubes. There are three intrauterine tubes with 5 mm diameter and different intrauterine lengths: 20 mm, 40 mm, and 60 mm. Furthermore, one thin intrauterine tube with 3.5 mm diameter and a length of 60 mm adds treatment flexibility. In order to direct needles not only parallel to the intrauterine tube, but also diverging, the alternative Ring Applicator for diverging needle implants can be used. Further optional accessories such as the rectal retractor, the perineal bar and the needle collector round out the set.

Features

- CT compatible and MR conditional
- Needle template for parallel or diverging implants integrated in the ring
- Different intrauterine lengths
- Intrauterine tube and ring lock together, remaining immobile and stable
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization
- Rectal retractor and perineal bar available

Set content SET0152

Quantity	Item	Part number
1	2-Channel Ring Applicator, 60°, D = 30 mm; Type Vienna 0°	LCT43-2
1	CT/MR Intrauterine Tube for Ring Applicator, 60°, L = 20 mm	LCT42-6
1	CT/MR Intrauterine Tube for Ring Applicator, 60°, L = 40 mm	LCT42-7
1	CT/MR Intrauterine Tube for Ring Applicator, 60°, L = 60 mm	LCT42-8
1	CT/MR Intrauterine Tube for Ring Applicator, 60°, D = 3.5 mm, L = 60 mm	LCT06-02
2	Sealing Caps, (10 pcs)	LAZ17-03

Required Items

Quantity	Item	Part number
10	Plastic Needle, sterile, D = 1.7 mm, L = 300 mm ³	LLA300-K
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: green, Channel: 1	LAF1000-1
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: yellow, Channel: 2	LAF1000-2
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: blue, Channel: 3	LAF1000-3
3	CT/MR Obturator for Plastic Needles	LLH02-300
3	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000

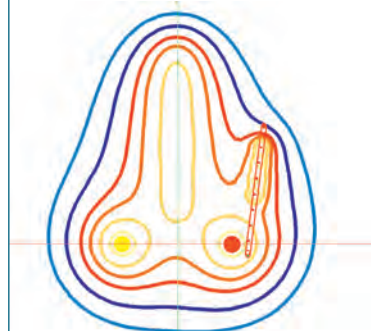
Optional Items

Quantity	Item	Part number
1	2-Channel Ring Applicator, 60°, D = 30 mm; Type Vienna 5°	LCT43-21
1	CT/MR Rectal Retractor	LCZ50-01
1	CT/MR Perineal Bar	LCZ51-01
1	Sterilization Box, 470 x 300 x 130 mm ⁴	LLZ06-01
1	Screwdriver 2.0 mm	LAZ09-02
1	CT/MR Needle Collector	LCZ52-01

Isodose Vienna 0°



Isodose Vienna 5°



CT/MR Perineal Bar



CT/MR Rectal Retractor



³ Manufactured by BEST Medical International, Inc.

⁴ Manufactured by Gebrüder Martin GmbH & Co. KG



CT/MR Split Ring Applicator Sets (30°, 45°, 60°)

SETM1401, SETM1401-30, SETM1401-45, SETM1401-60



Innovative, patented design provides for enhanced clinical advantages and facilitates CT and MR based brachytherapy planning.

Cervix, Endometrium

Well-Accepted Design

The CT/MR Split Ring Applicator's patented design combines the benefits of several other intracavitary applicators, with the ability to be configured as a closed ring or split into four different diameter distances in either symmetric or asymmetric arrangements. The connecting bracket enables simple connection and easy confirmation of diameter settings with three clearly visible identifiers associated with physical detents to lock in the chosen position.

Various Configurations

The Split Ring Applicator Combination Set includes configurations for 30°, 45° and 60° 'ring' angles with a variety of intrauterine tube lengths and disposable or optional reusable build-up caps in different sizes to fit a wide variety of anatomies.

MR Conditionality

All materials for this applicator, such as medical grade titanium, have been selected to enable MR conditionality for enhanced planning and structural integrity, to give you the confidence for accurate placement and treatment in case after case, year after year – up to five years of useful life.

Patents Granted

US7666130B2

US8033979B2

EP2038008B1

Currently, this applicator is not compatible with MultiSource® and GyneSource.

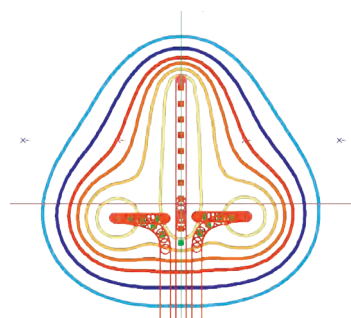
Features

- Split Ring symmetric diameters of 38 mm, 48 mm, 58 mm and 68 mm
- Reproducible geometry with diameter increments of as little as 5 mm based on single-side tube adjustment
- 3.2 mm intrauterine tubes with intrauterine sections of 20 mm, 40 mm, 60 mm and 80 mm for each of three angles (30°, 45°, 60°)
- Split Ring Applicators are CT compatible and MR conditional
- High quality – streak-free CT images for precise planning
- Lightweight yet sturdy titanium design
- Unique dose distribution flexibility and adjustability
- Individual insertion of right and left Split Ring tubes facilitates insertion in patients with a narrow introitus
- Physician friendly - easy assembly and disassembly
- Packing may be obviated with the use of the rectal retractor
- Autoclavable with up to five years of useful life
- Optional CT/MR intrauterine smit sleeves
- Applicator also available with connections for Varian and Elekta/Nucletron transfer tubes

Set Content SETM1401 – CT/MR Split-Ring Applicator Combo Set**

Quantity	Item	Part number
1	CT/MR Split Ring, 30°, right tube	LCZ1401-30R
1	CT/MR Split Ring, 30°, left tube	LCZ1401-30L
1	CT/MR Split Ring Intrauterine Tube, 30°, L = 20 mm	LCZ1401-30-2
1	CT/MR Split Ring Intrauterine Tube, 30°, L = 40 mm	LCZ1401-30-4
1	CT/MR Split Ring Intrauterine Tube, 30°, L = 60 mm	LCZ1401-30-6
1	CT/MR Split Ring Intrauterine Tube, 30°, L = 80 mm	LCZ1401-30-8
1	CT/MR Split Ring, 45°, right tube	LCZ1401-45R
1	CT/MR Split Ring, 45°, left tube	LCZ1401-45L
1	CT/MR Split Ring Intrauterine Tube, 45°, L = 20 mm	LCZ1401-45-2
1	CT/MR Split Ring Intrauterine Tube, 45°, L = 40 mm	LCZ1401-45-4
1	CT/MR Split Ring Intrauterine Tube, 45°, L = 60 mm	LCZ1401-45-6
1	CT/MR Split Ring Intrauterine Tube, 45°, L = 80 mm	LCZ1401-45-8
1	CT/MR Split Ring, 60°, right tube	LCZ1401-60R
1	CT/MR Split Ring, 60°, left tube	LCZ1401-60L
1	CT/MR Split Ring Intrauterine Tube, 60°, L = 20 mm	LCZ1401-60-2
1	CT/MR Split Ring Intrauterine Tube, 60°, L = 40 mm	LCZ1401-60-4
1	CT/MR Split Ring Intrauterine Tube, 60°, L = 60 mm	LCZ1401-60-6
1	CT/MR Split Ring Intrauterine Tube, 60°, L = 80 mm	LCZ1401-60-8
2	Silicone Build-Up-Cap, D = 5 mm, (6 pcs), single use	LCZ0605-21-01
2	Silicone Build-Up-Cap, D = 7.5 mm, (6 pcs), single use	LCZ0605-22
1	CT/MR Universal Rectal Retractor	LCZ1209
1	Cervical Stop	LCZ0508-10
1	Support Wing	LCZ0605-20
1	Sterilization Tray	LCZ1107
1	Stainless Steel Allen Wrench	LCZ7311
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Stainless Steel Ruler, L = 15 cm	LCZ7610

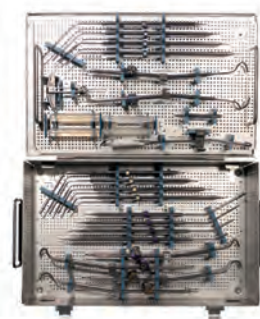
Isodose



Split Ring with Silicone Build-Up-Caps



Sterilization Tray with Split Ring Applicator Set Components



Transfer Tubes



Set Content SETM1401-30 – CT/MR Split-Ring Applicator 30° Set**

Quantity	Item	Part number
1	CT/MR Split Ring, 30°, right tube	LCZ1401-30R
1	CT/MR Split Ring, 30°, left tube	LCZ1401-30L
1	CT/MR Split Ring Intrauterine Tube, 30°, L = 20 mm	LCZ1401-30-2
1	CT/MR Split Ring Intrauterine Tube, 30°, L = 40 mm	LCZ1401-30-4
1	CT/MR Split Ring Intrauterine Tube, 30°, L = 60 mm	LCZ1401-30-6
1	CT/MR Split Ring Intrauterine Tube, 30°, L = 80 mm	LCZ1401-30-8
2	Silicone Build-Up-Cap, D = 5 mm, (6 pcs), single use	LCZ0605-21-01
2	Silicone Build-Up-Cap, D = 7.5 mm, (6 pcs), single use	LCZ0605-22
1	CT/MR Universal Rectal Retractor	LCZ1209
1	Cervical Stop	LCZ0508-10
1	Support Wing	LCZ0605-20
1	Sterilization Tray	LCZ1107
1	Stainless Steel Allen Wrench	LCZ7311
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Stainless Steel Ruler, L = 15 cm	LCZ7610

Set Content SETM1401-45 – CT/MR Split-Ring Applicator 45° Set**

Quantity	Item	Part number
1	CT/MR Split Ring, 45°, right tube	LCZ1401-45R
1	CT/MR Split Ring, 45°, left tube	LCZ1401-45L
1	CT/MR Split Ring Intrauterine Tube, 45°, L = 20 mm	LCZ1401-45-2
1	CT/MR Split Ring Intrauterine Tube, 45°, L = 40 mm	LCZ1401-45-4
1	CT/MR Split Ring Intrauterine Tube, 45°, L = 60 mm	LCZ1401-45-6
1	CT/MR Split Ring Intrauterine Tube, 45°, L = 80 mm	LCZ1401-45-8
2	Silicone Build-Up-Cap, D = 5 mm, (6 pcs), single use	LCZ0605-21-01
2	Silicone Build-Up-Cap, D = 7.5 mm, (6 pcs), single use	LCZ0605-22
1	CT/MR Universal Rectal Retractor	LCZ1209
1	Cervical Stop	LCZ0508-10
1	Support Wing	LCZ0605-20
1	Sterilization Tray	LCZ1107
1	Stainless Steel Allen Wrench	LCZ7311
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Stainless Steel Ruler, L = 15 cm	LCZ7610

Set Content SETM1401-60 – CT/MR Split-Ring Applicator 60° Set**

Quantity	Item	Part number
1	CT/MR Split Ring, 60°, right tube	LCZ1401-60R
1	CT/MR Split Ring, 60°, left tube	LCZ1401-60L
1	CT/MR Split Ring Intrauterine Tube, 60°, L = 20 mm	LCZ1401-60-2
1	CT/MR Split Ring Intrauterine Tube, 60°, L = 40 mm	LCZ1401-60-4
1	CT/MR Split Ring Intrauterine Tube, 60°, L = 60 mm	LCZ1401-60-6
1	CT/MR Split Ring Intrauterine Tube, 60°, L = 80 mm	LCZ1401-60-8
2	Silicone Build-Up-Cap, D = 5 mm, (6 pcs), single use	LCZ0605-21-01
2	Silicone Build-Up-Cap, D = 7.5 mm, (6 pcs), single use	LCZ0605-22
1	CT/MR Universal Rectal Retractor	LCZ1209
1	Cervical Stop	LCZ0508-10
1	Support Wing	LCZ0605-20
1	Sterilization Tray	LCZ1107
1	Stainless Steel Allen Wrench	LCZ7311
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Stainless Steel Ruler, L = 15 cm	LCZ7610

Required Items

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: green, Channel: 1	LAF1000-1
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: yellow, Channel: 2	LAF1000-2
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: blue, Channel: 3	LAF1000-3

Optional Items**

Quantity	Item	Part number
1	Build-Up Caps, 5.0 mm x 5.0 mm, reusable, (2 pcs)	LCZ1305-01-01
1	Build-Up Caps, 5 mm x 7.5 mm, reusable, (2 pcs)	LCZ1305-01-02
1	Build-Up Caps, 7.5 mm x 5.0 mm, reusable, (2 pcs)	LCZ1305-01-03
1	Build-Up Caps, 7.5 mm x 7.5 mm, reusable, (2 pcs)	LCZ1305-01-04
1	Build-Up Caps, 5 mm x 10 mm, reusable, (2 pcs)	LCZ1305-01-05
1	Build-Up Caps, 10 mm x 10 mm, reusable, (2 pcs)	LCZ1305-01-06
1	CT/MR Smit Sleeve Set (Titanium Ring), L = 20 mm - 100 mm (with 10 mm increments), (9 pcs)	LCZ0412-S

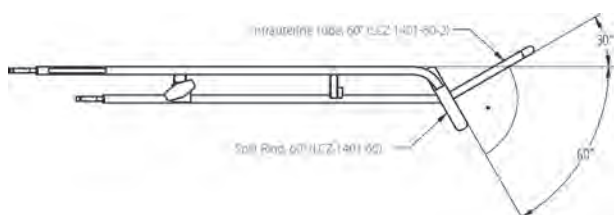
For replacement orders:

Please order based on the 'ring angle':

CT/MR Split Ring, 30°, right & left tube with CT/MR Split Ring Intrauterine Tube, 30°

CT/MR Split Ring, 45°, right & left tube with CT/MR Split Ring Intrauterine Tube, 45°

CT/MR Split Ring, 60°, right & left tube with CT/MR Split Ring Intrauterine Tube, 60°



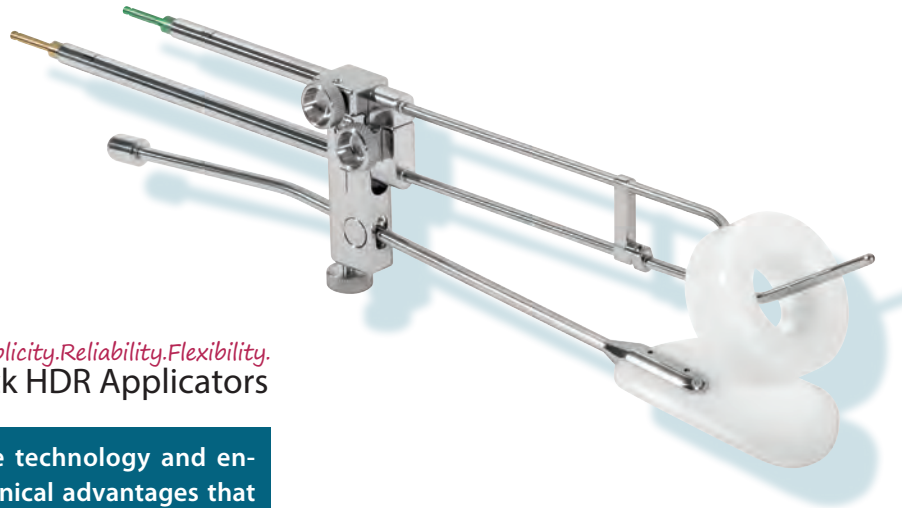
**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers

CT/MR Ring & Tandem Applicator Sets

SETM0922, SETM1402



Innovative technology and enhanced clinical advantages that facilitates CT and MR based brachytherapy planning.



Cervix, Endometrium

Simplicity

The CT/MR Ring & Tandem Applicator is designed to treat accurately and reliably in nearly any anatomy with a range of ring angles, intrauterine tube lengths, build-up cap sizes and an optional rectal retractor to increase distance to organs at risk and eliminate the need for packing. The single ring tube treats the circumference of the cervix and there is only one connection for efficient placement and procedure.

Flexibility

The CT/MR Ring & Tandem Applicator is available in 30°, 45° and 60° (defined by intrauterine tube angle) configurations to effectively treat a variety of anatomies. 5 mm or 7.5 mm build-up caps are available for enhanced source spacing.

Reliability

The titanium construction with laser welded connections allows for enhanced stability and torque resistance. The dual fixation points ensure alignment every time.

Currently, this applicator is not compatible with MultiSource® and GyneSource.

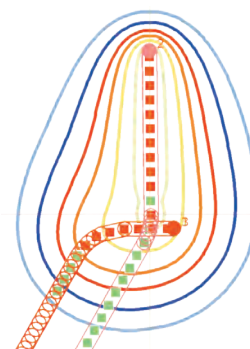
Features

- Autoclavable components
- Up to five years of useful life
- 3.2 mm intrauterine tubes
- Removable build-up caps attach to any angle ring tube, no tools required
- Optional rectal retractor
- Significant dose coverage with two channels
- Optional gasson perineal bar and CT/MR intrauterine smit sleeves
- Applicator also available with connections for Varian and Elekta/Nucletron transfer tubes

Set Content SETM0922 - CT/MR Ring & Tandem Applicator Combo 32 mm Set**

Quantity	Item	Part number
1	CT/MR Ring & Tandem, 30°, Ring Assembly, D = 32 mm	LCZ0922-30
1	CT/MR Ring & Tandem Intrauterine Tube, 30°, L = 20 mm	LCZ0922-30-2
1	CT/MR Ring & Tandem Intrauterine Tube, 30°, L = 40 mm	LCZ0922-30-4
1	CT/MR Ring & Tandem Intrauterine Tube, 30°, L = 60 mm	LCZ0922-30-6
1	CT/MR Ring & Tandem, 45°, Ring Assembly, D = 32 mm	LCZ0922-45
1	CT/MR Ring & Tandem Intrauterine Tube, 45°, L = 20 mm	LCZ0922-45-2
1	CT/MR Ring & Tandem Intrauterine Tube, 45°, L = 40 mm	LCZ0922-45-4
1	CT/MR Ring & Tandem Intrauterine Tube, 45°, L = 60 mm	LCZ0922-45-6
1	CT/MR Ring & Tandem, 60°, Ring Assembly, D = 32 mm	LCZ0922-60
1	CT/MR Ring & Tandem Intrauterine Tube, 60°, L = 20 mm	LCZ0922-60-2
1	CT/MR Ring & Tandem Intrauterine Tube, 60°, L = 40 mm	LCZ0922-60-4
1	CT/MR Ring & Tandem Intrauterine Tube, 60°, L = 60 mm	LCZ0922-60-6
1	Rectal Retractor Assembly	LCZ1208-05
1	Build-Up Cap, D = 5 mm	LCZ0213-63-1
1	Build-Up Cap, D = 7.5 mm	LCZ0213-63-2
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Cervical Stop	LCZ0508-10
1	Stainless Steel Allen Wrench	LCZ7311
1	Sterilization Tray	SS00871000

Isodose



Ring & Tandem Build-Up Caps



Transfer Tubes



Gasson Perineal Bar



Eckert & Ziegler
Contributing to saving lives

Set Content SETM1402 - CT/MR Ring & Tandem Applicator Combo 26 mm Set**

Quantity	Item	Part number
1	CT/MR Ring & Tandem, 30°, Ring Assembly, D = 26 mm	LCZ1402-30
1	CT/MR Ring & Tandem Intrauterine Tube, 30°, L = 20 mm	LCZ1402-30-2
1	CT/MR Ring & Tandem Intrauterine Tube, 30°, L = 40 mm	LCZ1402-30-4
1	CT/MR Ring & Tandem Intrauterine Tube, 30°, L = 60 mm	LCZ1402-30-6
1	CT/MR Ring & Tandem, 45°, Ring Assembly, D = 26 mm	LCZ1402-45
1	CT/MR Ring & Tandem Intrauterine Tube, 45°, L = 20 mm	LCZ1402-45-2
1	CT/MR Ring & Tandem Intrauterine Tube, 45°, L = 40 mm	LCZ1402-45-4
1	CT/MR Ring & Tandem Intrauterine Tube, 45°, L = 60 mm	LCZ1402-45-6
1	CT/MR Ring & Tandem, 60°, Ring Assembly, D = 26 mm	LCZ1402-60
1	CT/MR Ring & Tandem Intrauterine Tube, 60°, L = 20 mm	LCZ1402-60-2
1	CT/MR Ring & Tandem Intrauterine Tube, 60°, L = 40 mm	LCZ1402-60-4
1	CT/MR Ring & Tandem Intrauterine Tube, 60°, L = 60 mm	LCZ1402-60-6
1	Rectal Retractor Assembly	LCZ1208-05
1	Build-Up Cap, D = 5 mm	LCZ0902-58
1	Build-Up Cap, D = 7.5 mm	LCZ0902-53
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Cervical Stop	LCZ0508-10
1	Stainless Steel Allen Wrench	LCZ7311
1	Sterilization Tray	SS00871000

Required Items

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: green, Channel: 1	LAF1000-1
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: yellow, Channel: 2	LAF1000-2

Optional Items**

Quantity	Item	Part number
1	Ring for Gasson Perineal Bar	LCZ1112-01
1	Locking Bracket for Gasson Perineal Bar	LCZ1112-02
1	Locking Screw for Gasson Perineal Bar	LCZ1112-03
1	Lock Screw Tool for Gasson Perineal Bar	LCZ1112-04
1	CT/MR Smit Sleeve Set (Titanium Ring), L = 20 mm - 100 mm (with 10 mm increments), (9 pcs)	LCZ0412-S

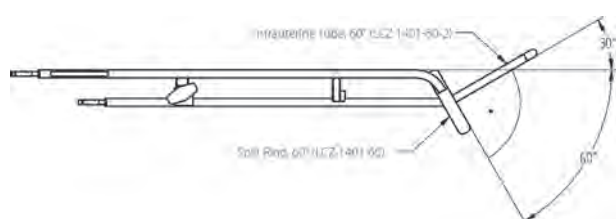
For replacement orders:

Please order based on the 'ring angle':

CT/MR Ring & Tandem, 30°, Ring Assembly with CT/MR Ring & Tandem Intrauterine Tube, 30°

CT/MR Ring & Tandem, 45°, Ring Assembly with CT/MR Ring & Tandem Intrauterine Tube, 45°

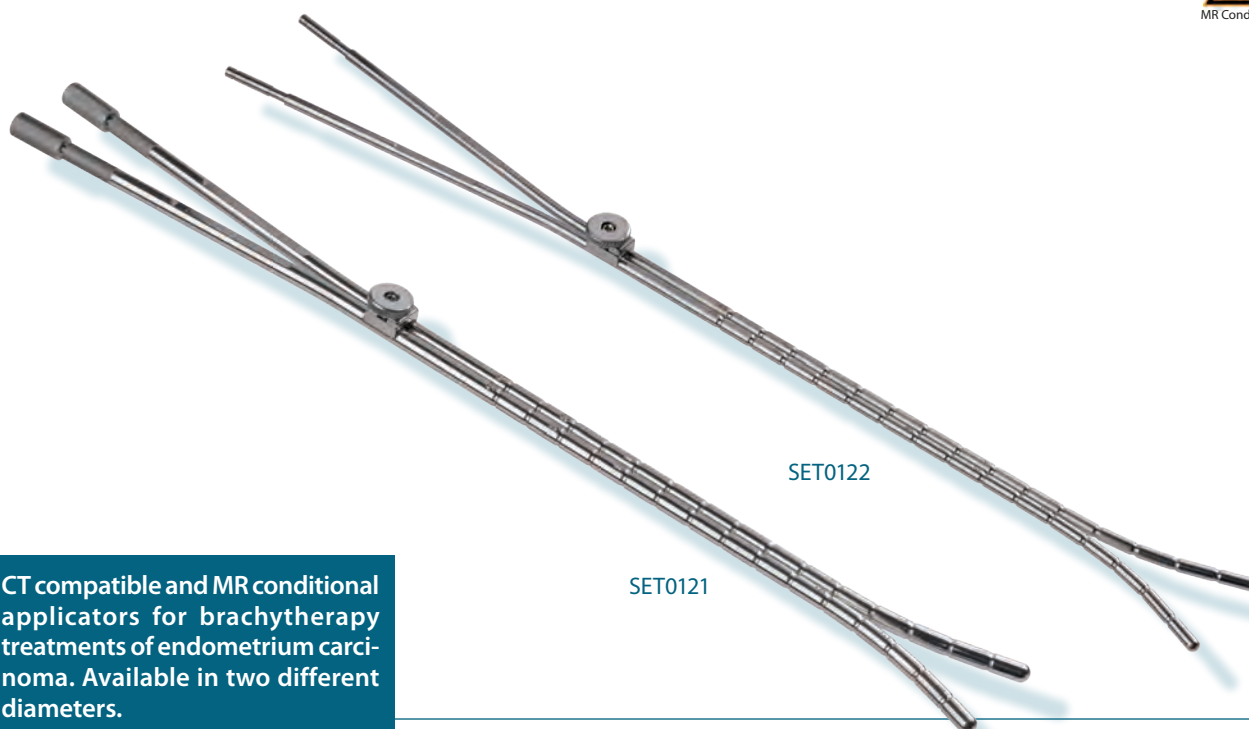
CT/MR Ring & Tandem, 60°, Ring Assembly with CT/MR Ring & Tandem Intrauterine Tube, 60°



**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers

CT/MR Endometrium Applicator Sets

SET0121, SET0122



CT compatible and MR conditional applicators for brachytherapy treatments of endometrium carcinoma. Available in two different diameters.

Endometrium

CT/MR Compatibility

The CT/MR Endometrium Applicator Set allows for brachytherapy treatments of the corpus uteri. It is designed for ease of use, while having the ability to provide comprehensive dose coverage to the target volume.

Proven Design

This applicator consists of two separate titanium intrauterine tubes that are easily inserted into the uterus. The two intrauterine tubes are locked together, remaining stable and immobile during treatment. The CT/MR Endometrium Applicator Set is available in two diameters: 3.5 mm (SET0122) and 5 mm (SET0121).

Precise Dose Distribution

The “Y” shape applicator provides a distinctive dose distribution that encompasses the entire endometrium. The CT/MR Endometrium Applicator Set is an exceptional applicator for gynecological brachytherapy.

Features

- CT compatible and MR conditional
- Intrauterine tubes lock together, remaining stable and immobile during treatment
- Applicator design provides precise dose distribution
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization

Set Content SET0121

Quantity	Item	Part number
1	Endometrium Applicator, D=5 mm	LCR70-01
2	Sealing Caps for LARXX-01 and LCRXX-01, (10 pcs)	LAZ17-02

Set Content SET0122

Quantity	Item	Part number
1	Endometrium Applicator, D=3.5 mm	LCT70-01
2	Sealing Caps, (10 pcs)	LAZ17-03

Required Items SET0121

Quantity	Item	Part number
2	Universal Applicator incl. plug, D=3 mm, L=1400 mm	LAA1400-GYN

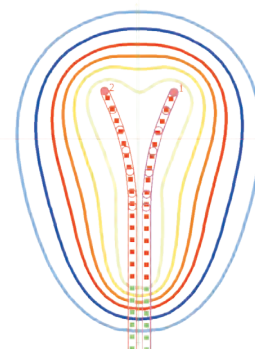
Required Items SET0122

Quantity	Item	Part number
2	Transfer Tube, D=3 mm, L=1000 mm	LAF1000

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01

Isodose



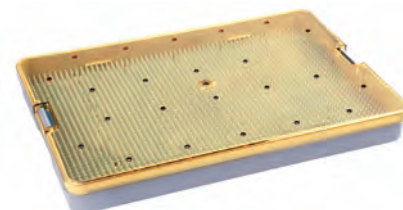
Universal Applicator



Transfer Tube



Sterilization Box



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¹ Manufactured by PST Plastic Sterilizing Trays Corporation

CT/MR 2/3 Channel Endometrial Applicator Sets

SETM1405, SETM1405-3, SETM1405-5



Simplicity. Reliability. Flexibility.
Mick HDR Applicators

Innovative technology and enhanced clinical advantages that facilitates CT and MR based brachytherapy planning.



Endometrium

Simplicity

The CT/MR 2/3 Channel Endometrial Applicator is designed for simplicity, even in the most advanced settings. It enables accurate and complete treatment with multiple lateral intrauterine tube spread distances and the ability to use a single applicator as either a two or three channel set. The single bracket connects all three intrauterine tubes with one lock knob, and the key and lock design ensures proper lateral tube alignment.

Flexibility

The CT/MR 2/3 Channel Endometrial Applicator is available in 3 cm or 5 cm configurations, both of which can be used as either two or three channel applicators, to effectively treat a variety of anatomies and disease states.

Reliability

The titanium construction with laser welded connections allows for enhanced stability and torque resistance. The key and lock design ensures proper lateral tube alignment.

Currently, this applicator is not compatible with MultiSource® and GyneSource.

Features

- Autoclavable components
- Up to five years of useful life
- Configurations for 3 cm and 5 cm spread
- 3.2 mm tube diameter
- Substantial dose coverage with a single set enabling two or three intrauterine tube configurations
- Simple, key lock bracket connection
- Applicator also available with connections for Varian and Elekta/Nucletron transfer tubes

Set Content SETM1405 - CT/MR 2/3 Channel Endometrial Applicator Combo Set**

Quantity	Item	Part number
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, right, L = 3 cm	LCZ1405-R-3
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, left, L = 3 cm	LCZ1405-L-3
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, central, L = 3 cm	LCZ1405-IU-3
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, right, L = 5 cm	LCZ1405-R-5
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, left, L = 5 cm	LCZ1405-L-5
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, central, L = 5 cm	LCZ1405-IU-5
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Stainless Steel Ruler, L = 15 cm	LCZ7610
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A

Set Content SETM1405-3 - CT/MR 2/3 Channel Endometrial Applicator 3 cm Spread Set**

Quantity	Item	Part number
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, right, L = 3 cm	LCZ1405-R-3
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, left, L = 3 cm	LCZ1405-L-3
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, central, L = 3 cm	LCZ1405-IU-3
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Stainless Steel Ruler, L = 15 cm	LCZ7610
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A

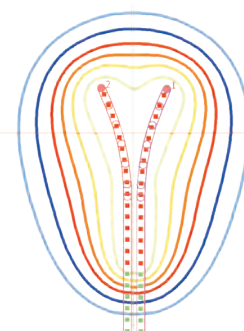
Set Content SETM1405-5 - CT/MR 2/3 Channel Endometrial Applicator 5 cm Spread Set**

Quantity	Item	Part number
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, right, L = 5 cm	LCZ1405-R-5
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, left, L = 5 cm	LCZ1405-L-5
1	CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, central, L = 5 cm	LCZ1405-IU-5
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Stainless Steel Ruler, L = 15 cm	LCZ7610
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A

Required Items

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: green, Channel: 1	LAF1000-1
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: yellow, Channel: 2	LAF1000-2
1	Transfer Tube, D = 3 mm, L = 1000 mm, Color code: blue, Channel: 3	LAF1000-3

Isodose for 2-Channel Configuration



Sterilization Box with 2/3 Channel Endometrial Applicator Combo Set Components



All items in SETM1405 not included in image

Transfer Tubes

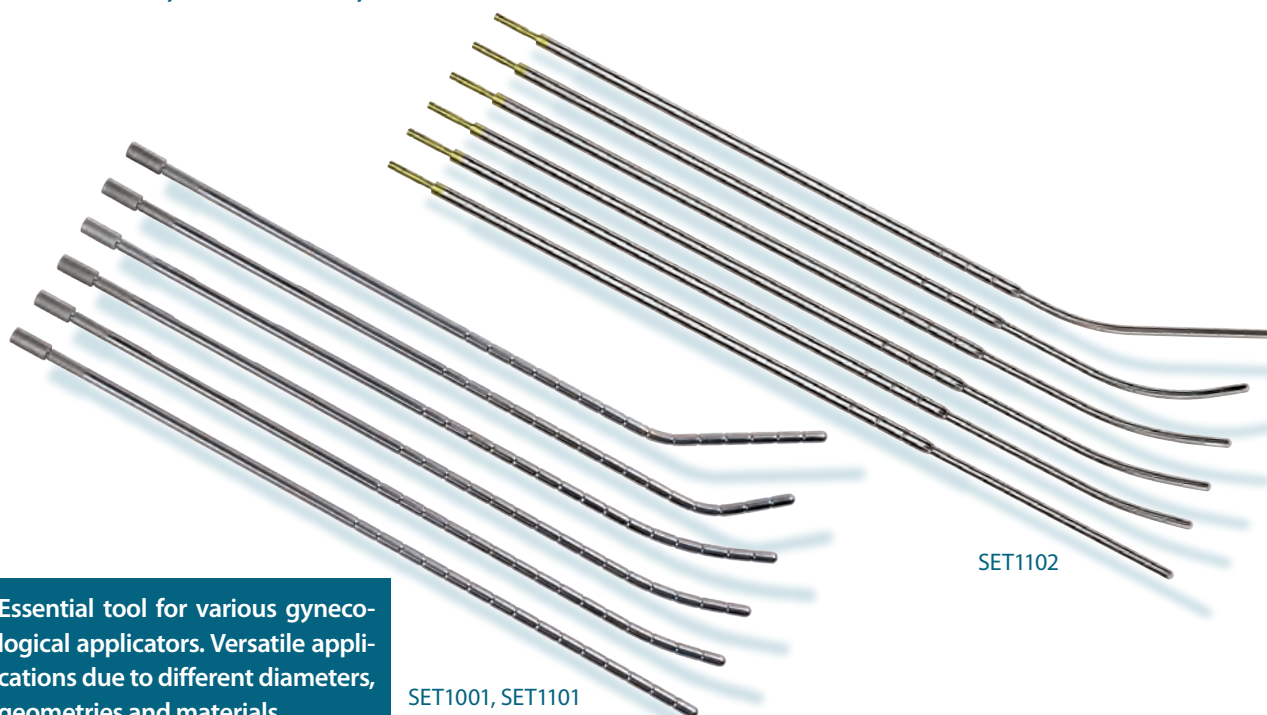


¹ Manufactured by PST Plastic Sterilizing Trays Corporation

**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers

Intrauterine Tubes

SET1001, SET1101, SET1102



Vagina, Cervix, Endometrium, Rectum

HDR Intracavitary Brachytherapy

The Intrauterine Tube Sets are used together with Eckert & Ziegler BEBIG applicators in gynecological or rectal treatments. As the Ring Applicator Sets come with dedicated intrauterine tubes, the Intrauterine Tube Sets (SET1001, SET1101, SET1102) are not necessary for the Ring Applicators.

Fitting Patient Anatomy

All three sets contain six intrauterine tubes – one straight intrauterine tube and five intrauterine tubes with different angles and intrauterine lengths, which allows easy adaptation to the patient's anatomy. While the straight intrauterine tube is mainly used for vaginal and rectal treatment, the others are used to deliver dose to the cervix and uterus.

Enhanced Usability

All intrauterine tubes have indentations for the holding discs, which are positioned in 1 cm intervals on the tube. These facilitate application during intrauterine treatments and help to recognize the applicator on images. Furthermore, in order to provide additional product safety, the thin intrauterine tubes (SET1102) are color-coded for use with color-coded 3-Channel Applicators.

Features

- Suitable for HDR intracavitary brachytherapy treatments
- Available in different diameters (5 mm and 3.5 mm), intrauterine angles and intrauterine lengths
- Compatible with all Eckert & Ziegler BEBIG gynecological applicators except the Ring Applicators

Set Content SET1001; D = 5 mm, stainless steel



Quantity	Item	Part number
1	Intrauterine Tube, straight	LAR01-01
1	Intrauterine Tube, bent, D = 5 mm, L = 40 mm	LAR02-01
1	Intrauterine Tube, bent, D = 5 mm, L = 50 mm	LAR03-01
1	Intrauterine Tube, bent, D = 5 mm, L = 60 mm	LAR04-01
1	Intrauterine Tube, bent, 40° D = 5 mm, L = 35 mm	LAR05-01
1	Intrauterine Tube, bent, 30° D = 5 mm, L = 65 mm	LAR06-01
2	Sealing Caps for LARXX-XX and LCRXX-XX, (10 pcs)	LAZ17-02

Set Content SET1101; D = 5 mm, titanium



Quantity	Item	Part number
1	CT/MR Intrauterine Tube, straight	LCR01-01
1	CT/MR Intrauterine Tube, bent, D = 5 mm, L = 40 mm	LCR02-01
1	CT/MR Intrauterine Tube, bent, D = 5 mm, L = 50 mm	LCR03-01
1	CT/MR Intrauterine Tube, bent, D = 5 mm, L = 60 mm	LCR04-01
1	CT/MR Intrauterine Tube, bent, 40°, D = 5 mm, L = 35 mm	LCR05-01
1	CT/MR Intrauterine Tube, bent, 30°, D = 5 mm, L = 65 mm	LCR06-01
2	Sealing Caps for LARXX-XX and LCRXX-XX, (10 pcs)	LAZ17-02

Set Content SET1102; D = 3.5 mm, titanium



Quantity	Item	Part number
1	CT/MR Intrauterine Tube, straight, thin, D = 3.5 mm	LCT01-01
1	CT/MR Intrauterine Tube, thin, 15°, D = 3.5 mm, L = 25 mm	LCT02-01
1	CT/MR Intrauterine Tube, thin, 20°, D = 3.5 mm, L = 30 mm	LCT03-01
1	CT/MR Intrauterine Tube, thin, 25°, D = 3.5 mm, L = 35 mm	LCT04-01
1	CT/MR Intrauterine Tube, thin, 40°, D = 3.5 mm, L = 35 mm	LCT05-01
1	CT/MR Intrauterine Tube, thin, 30°, D = 3.5 mm, L = 65 mm	LCT06-01
2	Sealing Caps, (10 pcs)	LAZ17-03

Required Items SET1001 & SET1101

Quantity	Item	Part number
1	Universal Applicator incl. plug, D = 3 mm, L = 1400 mm	LAA1400-GYN

Required Items SET1102

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

Optional Items SET1001 & SET1101

Quantity	Item	Part number
1	Holding Discs for Gyn. Applicators, d = 5.0 mm, D = 15 mm, (5 pcs)	LAZ03-01
1	CT/MR Holding Discs for Gyn. Applicators, d = 5.0 mm, D = 15 mm, (5 pcs)	LCZ03-01
1	Opening Forceps for Holding Discs ²	LAH05-03

Optional Items SET1102

Quantity	Item	Part number
1	CT/MR Holding Discs for Gyn. Applicators, d = 3.5 mm, D = 15 mm, (5 pcs)	LCZ03-03
1	Opening Forceps for Holding Discs ²	LAH05-03

Universal Applicator



Transfer Tube



Opening Forceps for Holding Discs

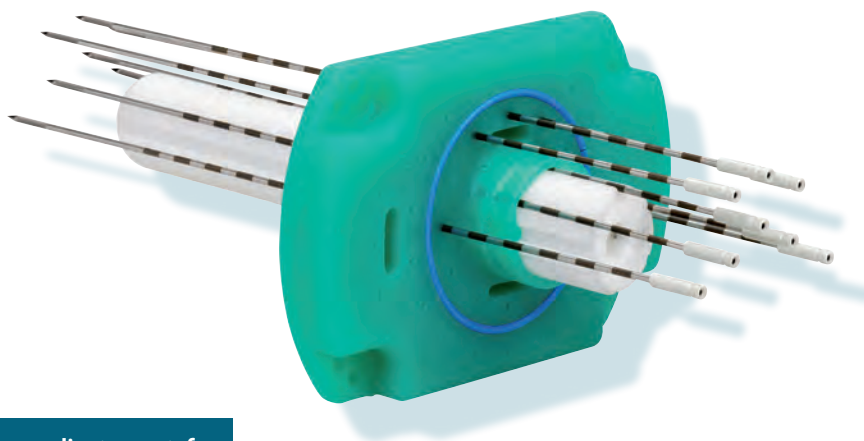


² Manufactured by Otto Leibinger GmbH



Gyn Template Kit

LTE01-02, LTE01-03



CT compatible applicator set for gynecological brachytherapy including interstitial treatment options.

Cervix, Vagina, Endometrium, Rectum

Gynecological and Rectal Treatment

The Gyn Template Kit is designed to offer various treatment options in HDR brachytherapy and is suitable for both gynecological and rectal brachytherapy. The template can be stitched to the patient's perineum.

Variable Applications

The applicator set consists of a central rod for vaginal or rectal treatments and a template with predefined needle positions for interstitial applications. Additionally, the applicator can be used together with an intrauterine tube.

Precise Dose Shaping

The application length of the vaginal cylinder can easily be adapted to the patient's anatomy. The position of the intrauterine tube within the cylinder can be easily adjusted and securely fixed, thus delivering a precise dose to the cervix.

Features

- CT compatible
- Disposable gynecological template kit for use with 17G needles
- Sterile delivery
- For single use only
- Including original accessories from Best Medical
- Compatible with all Eckert & Ziegler BEBIG intrauterine tubes (SET1001, SET1101, SET1102)

Set Content LTE01-02

Quantity	Item	Part number
1	Template (incl. Central Rod, Sleeve, O-Ring, Allen Wrench) ³	LTE01-02

Set Content LTE01-03

Quantity	Item	Part number
1	Template (incl. Central Rod, Sleeve, O-Ring, Allen Wrench) ³	LTE01-02
1	CT Adapter for Intrauterine Tube, 6.5 mm	LCZ08-01

Required Items LTE01-02

Quantity	Item	Part number
1	Disposable Steel Needle Set	SET0052
10	Transfer Tube, D=3 mm, L=1000 mm	LAF1000

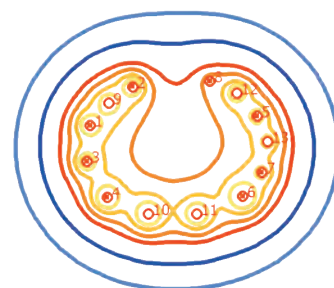
Required Items LTE01-03

Quantity	Item	Part number
1	Disposable Steel Needle Set	SET0052
10	Transfer Tube, D=3 mm, L=1000 mm	LAF1000
1	CT/MR Intrauterine Tubes, thin*	SET1102
*Alternative 1: Intrauterine Tubes + Universal Applicator incl. plug, D=3 mm, L=1400 mm		SET1001 + LAA1400-GYN
*Alternative 2: CT/MR Intrauterine Tubes + Universal Applicator incl. plug, D=3 mm, L=1400 mm		SET1101 + LAA1400-GYN

Optional Items

Quantity	Item	Part number
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

Isodose



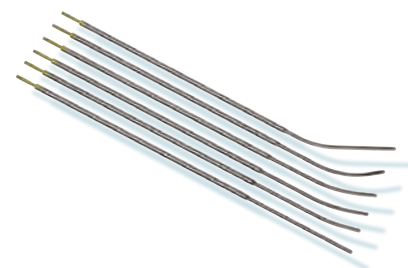
Disposable Steel Needles



Transfer Tube



CT/MR Intrauterine Tubes

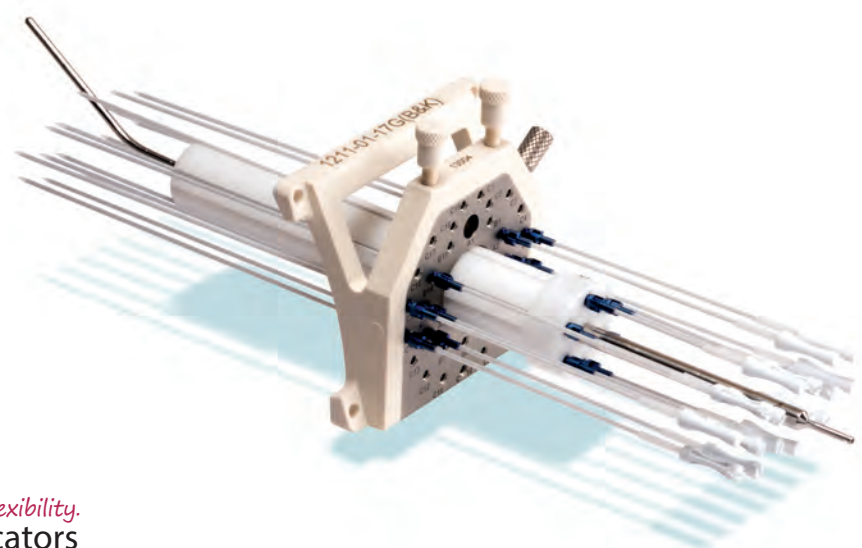


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³ Manufactured by BEST Medical International, Inc.

CT/MRM.A.C. Interstitial GYN Template Sets

SETM1506-XX, SETM1507-XX



Facilitates advanced CT and MR based planning.

Vagina, Cervix, Endometrium

Simplicity

The detachable template and optional intrauterine tube design enables quick setup and simplifies cleaning. Uniquely identified, concentric needle channels enable efficient planning and treatment and the cervical stop enhances repeatability as well as a reduction of uterus perforation.

Flexibility

The CT/MR M.A.C. Interstitial GYN Template features a template design with optional intrauterine tube enabling complete or targeted treatment of the vagina, cervix, endometrium and parametrium. The set, named for the Mick-Alektiar-Cohen collaboration, is available with 36 needle channels and a variety of diameters to easily integrate into your current practice. 30° and 0° intrauterine tube and needle-only configurations enable an effective treatment of a variety of anatomies and diseases. Concentric needle channels provide targeted unilateral or bilateral parametrial needle placement, fixed into place individually by locking collets.

Reliability

The titanium insert construction and collets with PPSU body allow for enhanced stability while the keyed interfaces ensure consistent alignment of channels and needles, every time.

Currently, this applicator is not compatible with MultiSource® and GyneSource.

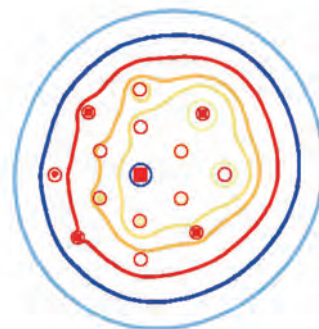
Features

- Autoclavable components
- Up to 5 years of useful life
- MR conditionality allows for 1.5T or 3T
- Enhanced control of needle placement with 36 standard needle channels
- Available in channel diameters for 15.5G, 17G, 18G, 1.65 mm and 2.0 mm needles
- Contoured shape to fit patient perineum
- Optional CT/MR intrauterine smit sleeves

Set Content SETM1506-EZ-17**

Quantity	Item	Part number
1	CT/MR M.A.C. Intrauterine Tube, straight (Titanium)	LCZ1506-ST
1	CT/MR M.A.C. Intrauterine Tube, medium curve (Titanium)	LCZ1506-MD
1	CT/MR M.A.C. Intrauterine Tube, maximum curve (Titanium)	LCZ1506-MX
1	M.A.C. Interstitial GYN Template (Body)	LCZ1506-01
1	M.A.C. Interstitial GYN Template (Titanium Insert)	LCZ1506-03
1	Vaginal Obturator Lock Knob	LCZ1211-12
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
1	Titanium Collet Wrench	LCZ1205-02
1	Allen Wrench (Titanium)	LCZ1205-06
1	Cervical Stop	LCZ0508-10
1	Stainless Steel Allen Wrench	LCZ7311
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A
1	Vaginal Obturator, 17G, D = 2.5 cm, L = 14 cm	LCZ0918-15-17
1	Obturator Needle Collets (Titanium), seafoam, 17G, Eckert & Ziegler BEBIG (6 pcs)	LCZ1105-05-EZ-17
6	Template Needle Collets (Titanium), seafoam, 17G, Eckert & Ziegler BEBIG (6 pcs)	LCZ1105-01-EZ-17

Isodose



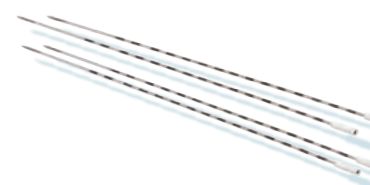
Template Needle Collets



Obturator Needle Collets



Disposable Steel Needle Set



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Set Content SETM1506-EZ-1.65**

Quantity	Item	Part number
1	CT/MR M.A.C. Intrauterine Tube, straight (Titanium)	LCZ1506-ST
1	CT/MR M.A.C. Intrauterine Tube, medium curve (Titanium)	LCZ1506-MD
1	CT/MR M.A.C. Intrauterine Tube, maximum curve (Titanium)	LCZ1506-MX
1	M.A.C. Interstitial GYN Template (Body)	LCZ1506-01
1	M.A.C. Interstitial GYN Template (Titanium Insert)	LCZ1506-03
1	Vaginal Obturator Lock Knob	LCZ1211-12
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
1	Titanium Collet Wrench	LCZ1205-02
1	Allen Wrench (Titanium)	LCZ1205-06
1	Cervical Stop	LCZ0508-10
1	Stainless Steel Allen Wrench	LCZ7311
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A
1	Vaginal Obturator, 1.65 mm, D = 2.5 cm, L = 14 cm	LCZ0918-15-1.65
1	Obturator Needle Collets (Titanium), bronze, 1.65 mm, Eckert & Ziegler BEBIG (6 pcs)	LCZ1105-05-EZ-1.65
6	Template Needle Collets (Titanium), bronze, 1.65 mm, Eckert & Ziegler BEBIG (6 pcs)	LCZ1105-01-EZ-1.65

Set Content SETM1507-EZ-17**

Quantity	Item	Part number
1	M.A.C. Interstitial GYN Template (Body)	LCZ1507-01
1	M.A.C. Interstitial GYN Template (Titanium Insert)	LCZ1507-03
1	Vaginal Obturator Lock Knob	LCZ1211-12
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
1	Titanium Collet Wrench	LCZ1205-02
1	Allen Wrench (Titanium)	LCZ1205-06
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A
1	Vaginal Obturator, 17G, D = 2.5 cm, L = 14 cm	LCZ0918-15-17
1	Obturator Needle Collets (Titanium), seafoam, 17G, Eckert & Ziegler BEBIG (6 pcs)	LCZ1105-05-EZ-17
6	Template Needle Collets (Titanium), seafoam, 17G, Eckert & Ziegler BEBIG (6 pcs)	LCZ1105-01-EZ-17

Set Content SETM1507-EZ-1.65**

Quantity	Item	Part number
1	M.A.C. Interstitial GYN Template (Body)	LCZ1507-01
1	M.A.C. Interstitial GYN Template (Titanium Insert)	LCZ1507-03
1	Vaginal Obturator Lock Knob	LCZ1211-12
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
1	Titanium Collet Wrench	LCZ1205-02
1	Allen Wrench (Titanium)	LCZ1205-06
1	Sterilization Box, 381 x 254 x 38 mm ¹	LCZ96-1522A
1	Vaginal Obturator, 1.65 mm, D = 2.5 cm, L = 14 cm	LCZ0918-15-1.65
1	Obturator Needle Collets (Titanium), bronze, 1.65 mm, Eckert & Ziegler BEBIG (6 pcs)	LCZ1105-05-EZ-1.65
6	Template Needle Collets (Titanium), bronze, 1.65 mm, Eckert & Ziegler BEBIG (6 pcs)	LCZ1105-01-EZ-1.65

Required Items SETM1506-EZ-17, SETM1507-EZ-17**

Quantity	Item	Part number
1	Disposable Steel Needle Set	SET0052
20	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

Required Items SETM1506-EZ-1.65**

Quantity	Item	Part number
1	Plastic Needle Set	SET0012
20	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000
1	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

Required Items SETM1507-EZ-1.65**

Quantity	Item	Part number
1	Plastic Needle Set	SET0012
20	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000

Optional Items**

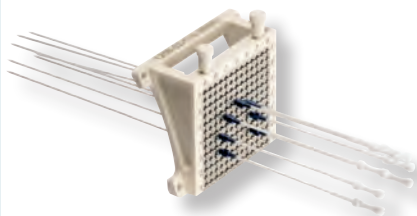
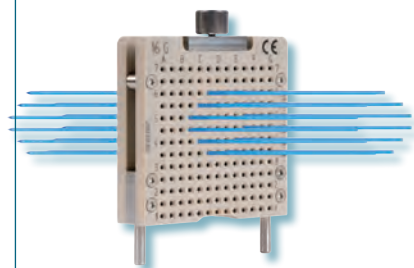
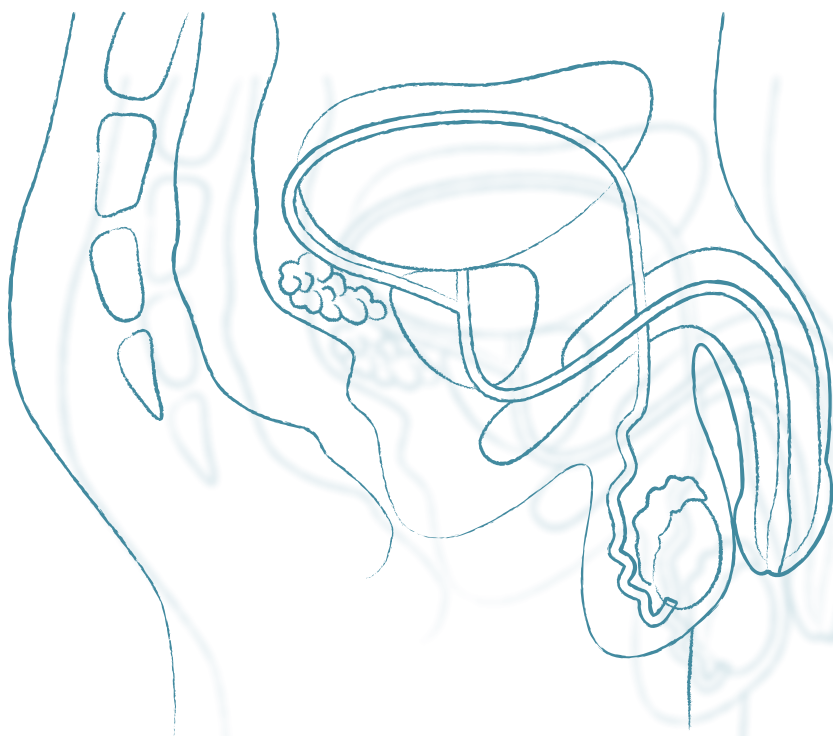
Quantity	Item	Part number
1	Basket with lid for cleaning and sterilizing of small parts, 121 x 73 x 36 mm ⁵	LLZ07-01
1	Vaginal Obturator, 17G, D = 2.5 cm, L = 19 cm	LCZ0918-19-17
1	Vaginal Obturator, 1.65 mm, D = 2.5 cm, L = 19 cm	LCZ0918-19-1.65
1	Vaginal Obturator Needle Guide, 17G	LCZ0918-06-17
1	Vaginal Obturator Needle Guide, 1.65 mm	LCZ0918-06-1.65
1	CT/MR Smit Sleeve Set (Titanium Ring), L = 20 mm - 100 mm (with 10 mm increments), (9 pcs)	LCZ 0412-S

¹ Manufactured by PST Plastic Sterilizing Trays Corporation

⁵ Manufactured by Kögel GmbH

**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers.

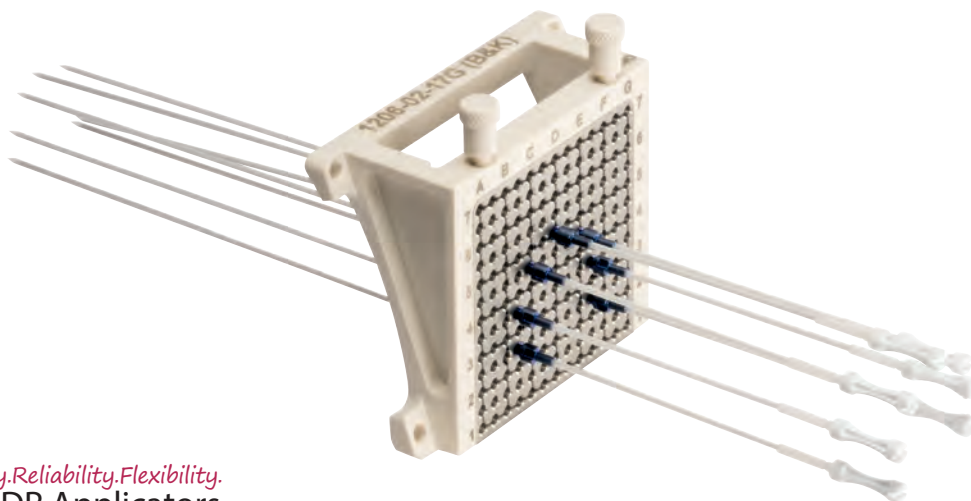
Prostate



Eckert & Ziegler
Contributing to saving lives

CT/MR Contour Prostate Template Sets

SETM1204-02-XX, SETM1204-04-XX, SETM1206-02-XX, SETM1206-04-XX



Facilitates interstitial needles for the treatment of the prostate.

Prostate

Simplicity

The CT/MR Contour Prostate Template facilitates interstitial needles for the treatment of the prostate. All templates are laser engraved with letters to denote the different vertical columns of needle channels and with numbers to denote the different horizontal rows of needle channels. The numbering/lettering layout corresponds to the type of stepper being used.

Flexibility

The CT/MR Contour Prostate Template is available to accommodate needles of different gauges which are securely held in place by color-coded needle collets associated with the appropriate needle size. Small and large template sizes are provided. The CT/MR Contour Prostate Template is curved to fit the sloping anatomy of the perineum. There are four suture holes provided for optional fixation of the template to the perineum.

Reliability

The CT/MR Contour Prostate Template is constructed of PPSU (Polyphenylsulfone) and the template inserts and needle collets are constructed of titanium for continuous use and steam sterilization.

Features

- Contoured to fit the sloping perineum
- Reusable and autoclavable
- MR conditionality allows for 1.5T or 3T
- Individual locking collet design enhances discrete needle targeting
- Available for variety of needle sizes: 15.5G, 17G, 18G, 1.65 mm, 2 mm
- Provided with four suture holes allowing the template to be directly sutured to the perineum
- Resistance-free bore holes for smooth needle entry
- Durable construction

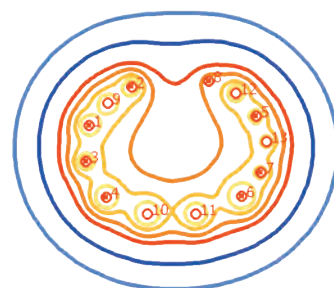
Set Content SETM1204-02-EZ-17 (Small Matrix), for CIVCO Steppers, BK labeling scheme**

Quantity	Item	Part number
1	CT/MR Contour Prostate Template PPSU Body, small matrix, 17G	
1	CT/MR Contour Prostate Template Titanium Insert, small matrix, 17G	
1	Titanium Collet Wrench	LCZ1205-02
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
6	Template Needle Collets (Titanium), seafoam, 17G, Eckert & Ziegler BEBIG, (6 pcs)	LCZ1105-01-EZ-17

Set Content SETM1204-02-EZ-1.65 (Small Matrix), for CIVCO Steppers, BK labeling scheme**

Quantity	Item	Part number
1	CT/MR Contour Prostate Template PPSU Body, small matrix, 1.65 mm	
1	CT/MR Contour Prostate Template Titanium Insert, small matrix, 1.65 mm	
1	Titanium Collet Wrench	LCZ1205-02
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
6	Template Needle Collets (Titanium), bronze, 1.65 mm, Eckert & Ziegler BEBIG, (6 pcs)	LCZ1105-01-EZ-1.65

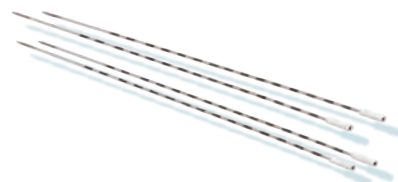
Isodose



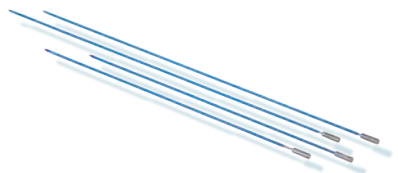
Template Needle Collets



Disposable Steel Needle Set



Plastic Needle Set



Eckert & Ziegler
Contributing to saving lives

**Set Content SETM1204-04-EZ-17 (Small Matrix), for CIVCO Steppers,
Siemens labeling scheme****

Quantity	Item	Part number
1	CT/MR Contour Prostate Template PPSU Body, small matrix, 17G	
1	CT/MR Contour Prostate Template Titanium Insert, small matrix, 17G	
1	Titanium Collet Wrench	LCZ1205-02
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
6	Template Needle Collets (Titanium), seafoam, 17G, Eckert & Ziegler BEBIG, (6 pcs)	LCZ1105-01-EZ-17

**Set Content SETM1204-04-EZ-1.65 (Small Matrix), for CIVCO Steppers,
Siemens labeling scheme****

Quantity	Item	Part number
1	CT/MR Contour Prostate Template PPSU Body, small matrix, 1.65 mm	
1	CT/MR Contour Prostate Template Titanium Insert, small matrix, 1.65 mm	
1	Titanium Collet Wrench	LCZ1205-02
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
6	Template Needle Collets (Titanium), bronze, 1.65 mm, Eckert & Ziegler BEBIG, (6 pcs)	LCZ1105-01-EZ-1.65

**Set Content SETM1206-02-EZ-17 (Large Matrix), for CIVCO Steppers,
BK labeling scheme****

Quantity	Item	Part number
1	CT/MR Contour Prostate Template PPSU Body, large matrix, 17G	
1	CT/MR Contour Prostate Template Titanium Insert, large matrix, 17G	
1	Titanium Collet Wrench	LCZ1205-02
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
6	Template Needle Collets (Titanium), seafoam, 17G, Eckert & Ziegler BEBIG, (6 pcs)	LCZ1105-01-EZ-17

**Set Content SETM1206-02-EZ-1.65 (Large Matrix), for CIVCO Steppers,
BK labeling scheme****

Quantity	Item	Part number
1	CT/MR Contour Prostate Template PPSU Body, large matrix, 1.65 mm	
1	CT/MR Contour Prostate Template Titanium Insert, large matrix, 1.65 mm	
1	Titanium Collet Wrench	LCZ1205-02
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
6	Template Needle Collets (Titanium), bronze, 1.65 mm, Eckert & Ziegler BEBIG, (6 pcs)	LCZ1105-01-EZ-1.65

**Set Content SETM1206-04-EZ-17 (Large Matrix), for CIVCO Steppers,
Siemens labeling scheme****

Quantity	Item	Part number
1	CT/MR Contour Prostate Template PPSU Body, large matrix, 17G	
1	CT/MR Contour Prostate Template Titanium Insert, large matrix, 17G	
1	Titanium Collet Wrench	LCZ1205-02
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
6	Template Needle Collets (Titanium), seafoam, 17G, Eckert & Ziegler BEBIG, (6 pcs)	LCZ1105-01-EZ-17

**Set Content SETM1206-04-EZ-1.65 (Large Matrix), for CIVCO Steppers,
Siemens labeling scheme****

Quantity	Item	Part number
1	CT/MR Contour Prostate Template PPSU Body, large matrix, 1.65 mm	
1	CT/MR Contour Prostate Template Titanium Insert, large matrix, 1.65 mm	
1	Titanium Collet Wrench	LCZ1205-02
1	Mounting Pegs, (2 pcs)	LCZ1205-03
1	Mounting Bracket Lock Knobs, (2 pcs)	LCZ1205-12
6	Template Needle Collets (Titanium), bronze, 1.65 mm, Eckert & Ziegler BEBIG, (6 pcs)	LCZ1105-01-EZ-1.65

**Required Items SETM1204-02-EZ-17, SETM1204-04-EZ-17, SETM1206-02-EZ-17,
SETM1206-04-EZ-17****

Quantity	Item	Part number
1	Disposable Steel Needle Set	SET0052
20	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

**Required Items SETM1204-02-EZ-1.65, SETM1204-04-EZ-1.65,
SETM1206-02-EZ-1.65, SETM1206-04-EZ-1.65****

Quantity	Item	Part number
1	Plastic Needle Set	SET0012
20	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000

Optional Items**

Quantity	Item	Part number
1	Basket with lid for cleaning and sterilizing of small parts, 121 x 73 x 36 mm ⁵	LLZ07-01
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01

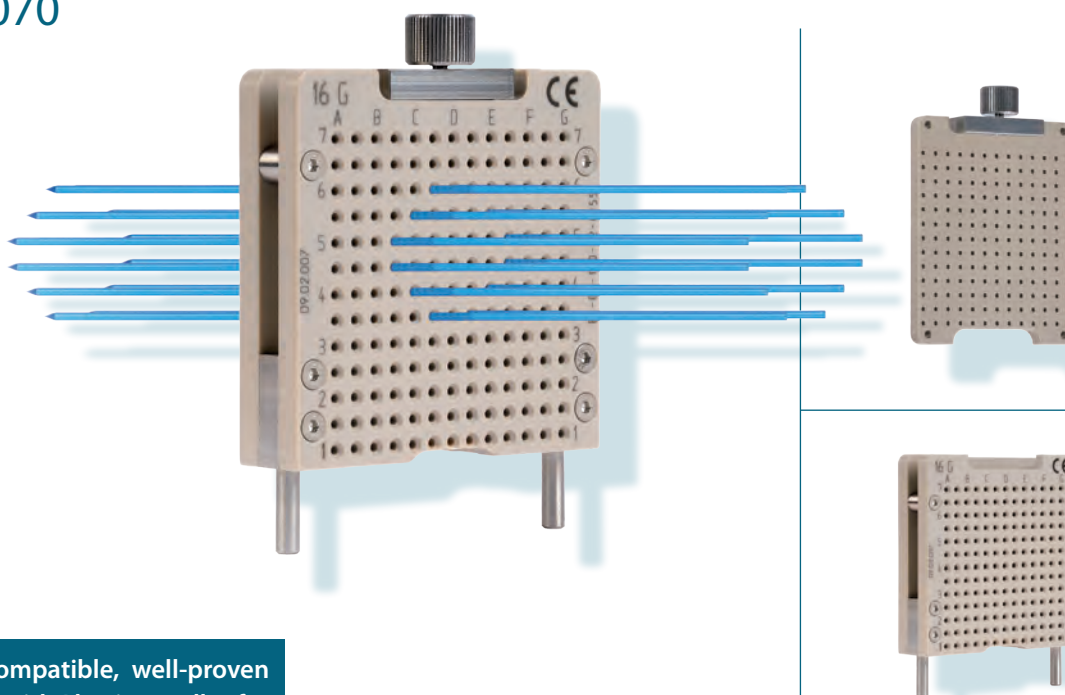
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

⁵ Manufactured by Kögel GmbH

**For U.S. orders, exclude 'LCZ' and 'SETM' prefixes from part numbers.

Prostate Set with Plastic Needles

SET0070



Widely compatible, well-proven Template with Plastic Needles for HDR treatment of prostate cancer.

Prostate

HDR Prostate Treatment

The Prostate Set is used for perineal implant of plastic needles for HDR prostate treatment. The set contains a 16G fixation template (reusable) and 200 mm 16G plastic needles with corresponding obturators. The template can be steam sterilized. The fixation template can be mounted on a stepper for ultrasound-guided treatment planning.

Template Usability

The template is compatible with DK-Tech and CIVCO steppers, which are themselves compatible with a wide range of ultrasound probes. The grid of the template contains holes (16G) in 5mm spacing and matches the ultrasound image grid, in order to facilitate insertion. Together with the SagiPlan® and HDRplus Prostate Module, it can be used for live ultrasound-guided treatment planning.

Simultaneous Locking

After insertion, all needles can be locked simultaneously in the template with the thumbscrew, which prevents needle movement during the treatment. The set also contains ten reusable obturators for the plastic needles and five reusable stainless steel needles to puncture perineum before inserting the plastic needle.

Features

- Suitable for perineal HDR prostate treatment
- Suitable for live ultrasound-guided treatment planning
- Reusable fixation template which can be mounted on DK-Tech and CIVCO steppers
- Needles can be locked simultaneously in the template to prevent needle movement
- Including steel needles for pre-insertion

Set Content SET0070

Quantity	Item	Part number
1	HDR Fixation Template, 16G, reusable ⁶	LLZ12-04
60	Plastic Needle, sterile, D = 1.65 mm, L = 200 mm	LLA200-KB
2	Obturators for Plastic and Steel Needles, L = 200 mm, (5 pcs)	LLH01-200
1	Steel Needles, D = 1.7 mm, L = 200 mm, (5 pcs)	LLA200-S
1	Sealing Caps, (10 pcs)	LAZ17-03

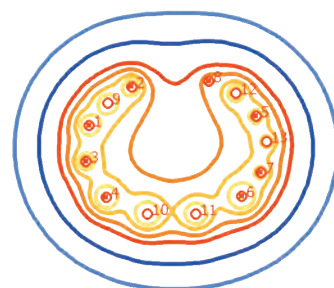
Required Items

Quantity	Item	Part number
20	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

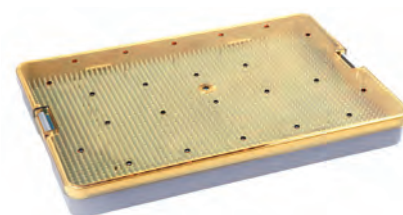
Isodose



Easy Click Transfer Tube



Sterilization Box



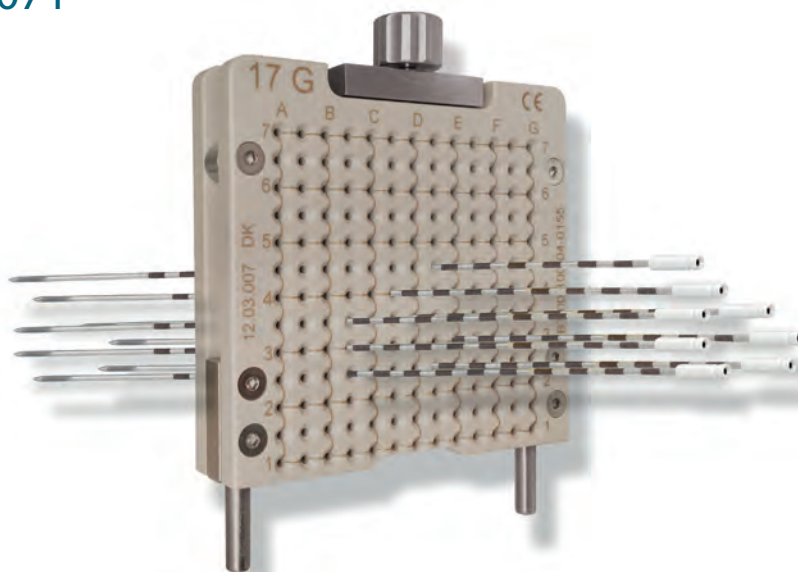
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

⁶ Manufactured by DK Technologies GmbH

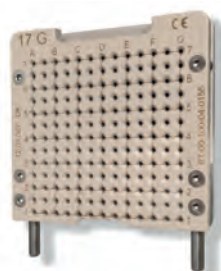


Prostate Set with Steel Needles

SET0071



Widely compatible template with well-proven steel needles for HDR treatment of prostate cancer.



Prostate

HDR Prostate Treatment

The Prostate Set is used for perineal implantation of stainless steel needles for HDR prostate treatment. The set contains a 17G fixation template (reusable) and 210 mm 17G disposable steel needles with corresponding obturators. The template can be steam sterilized. The fixation template can be mounted on a stepper for ultrasound-guided treatment planning.

Template Usability

The template is compatible with DK-Tech and CIVCO steppers, which can be used with a wide range of ultrasound probes. The grid of the template contains holes in 5 mm spacing and matches the ultrasound image grid to make the insertion easier. Together with the SagiPlan® and HDRplus Prostate Module, it can be used for real-time ultrasound-guided treatment planning.

Simultaneous Locking

After insertion, all needles can be locked simultaneously in the template with the thumbscrew, which prevents needle movement during the treatment.

Features

- Suitable for perineal HDR prostate treatment
- Suitable for real-time ultrasound-guided treatment planning
- Reusable fixation template which can be mounted on DK-Tech and CIVCO steppers
- Needles can be locked simultaneously in the template to prevent needle movement
- First dwell position at short distance from needle tip prevents perforation of the bladder

Set Content SET0071

Quantity	Item	Part number
1	HDR Fixation Template, 17G, reusable ⁶	LLZ12-05
60	Disposable Steel Needle, D = 1.5 mm/ 17G, single use	LLA210-S
2	Obturator for Disposable Steel Needles, L = 210 mm, (5 pcs)	LLH01-210

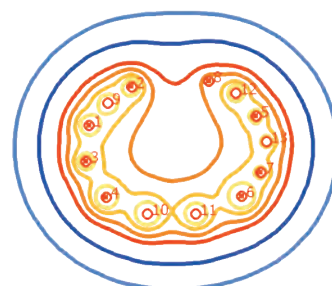
Required Items

Quantity	Item	Part number
20	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

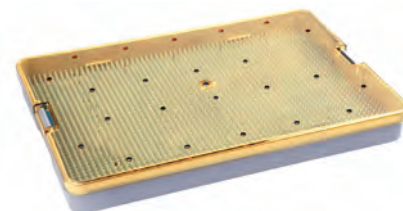
Isodose



Transfer Tube



Sterilization Box



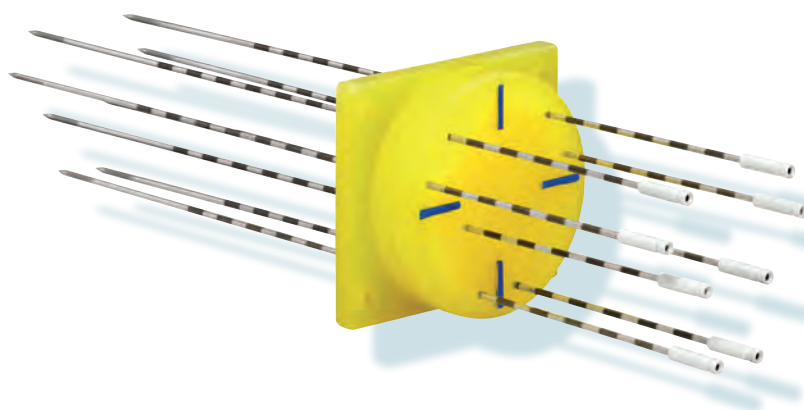
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

⁶ Manufactured by DK Technologies GmbH



Disposable Prostate Template 17G

LTE01-01



CT compatible single use Template for HDR prostate brachytherapy.

Prostate

Interstitial Prostate Treatment

The Disposable Prostate Template 17G is designed for interstitial HDR brachytherapy treatments of the prostate. It is used for CT-based planning and offers an alternative to ultrasound-based on-line planning, where the template is mounted on a stepper. It can even be applied in cases of large glands, extracapsular extension and seminal vesicle involvement. The template can be sewed to the patient for fixed perineal position.

Proper Needle Insertion

The Prostate Template is used with 17G needles and serves as a guide for the precise location and insertion of needles, providing versatile treatment.

Homogeneous Dose Distribution

The predefined needle positions of the Disposable Prostate Template are specially designed to provide complete treatment volume coverage of the prostate.

Features

- CT compatible
- Predefined needle positions for homogeneous dose distribution
- Is delivered sterile
- For single use only

LTE01-01

Quantity	Item	Part number
1	Disposable Prostate Template, 17G, sterile ³	LTE01-01

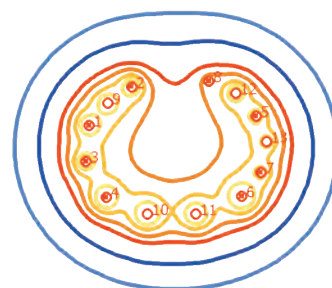
Required Items

Quantity	Item	Part number
1	Disposable Steel Needle Set	SET0052
10	Transfer Tube, D=3 mm, L=1000 mm	LAF1000

Optional Items

Quantity	Item	Part number
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

Isodose



Disposable Steel Needle Set

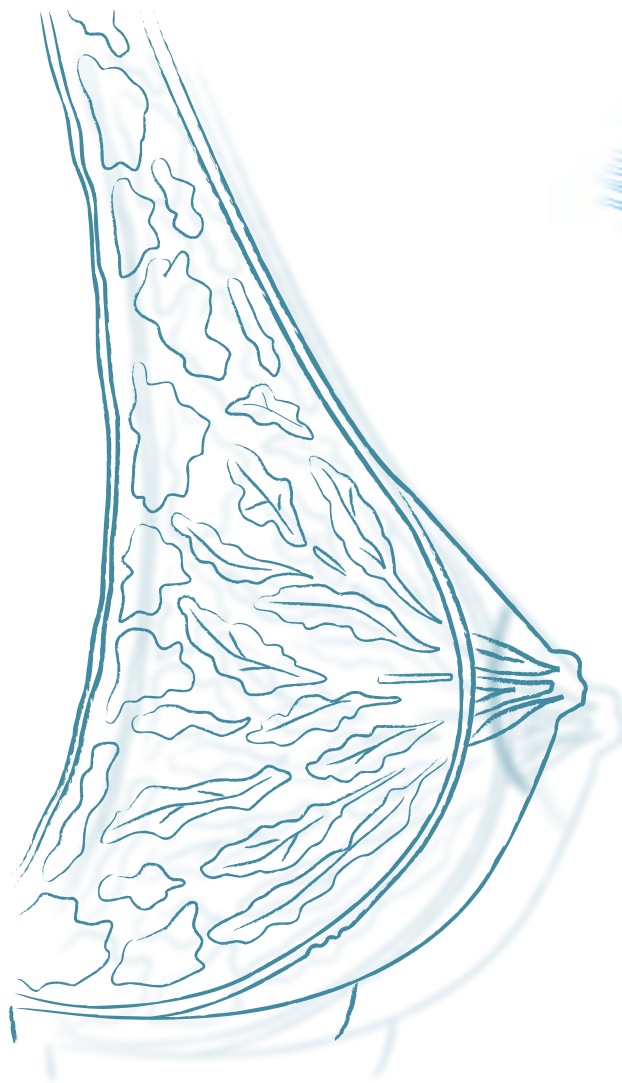


Transfer Tube



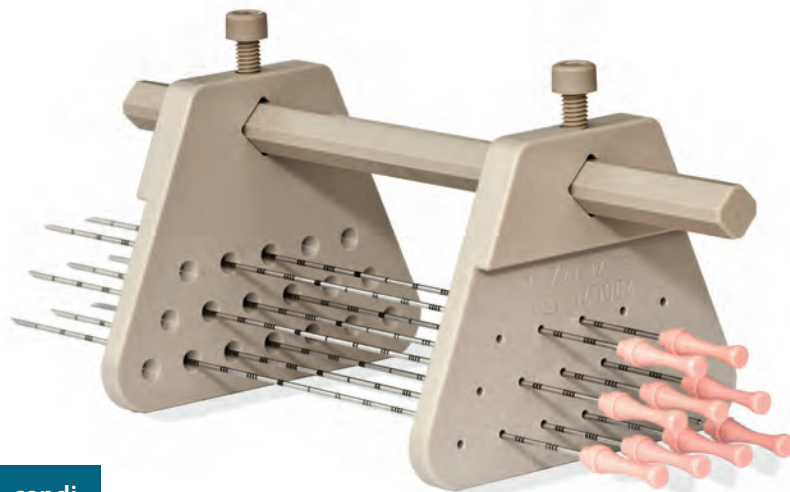
³ Manufactured by BEST Medical International, Inc.

Breast



Breast Bridge

SET0080



CT compatible and MR conditional applicator for HDR treatment of breast cancer with flexible catheters or plastic needles.

Breast

Boost or Monotherapy

The Breast Bridge has been designed for HDR interstitial breast brachytherapy treatments, either for boost treatments or for monotherapy. The template design follows the "Paris System" for homogenous dose distribution.

Adapting to Patient Anatomy

The set contains a guide pillar for the Breast Bridge and two pairs of breast templates in the two most commonly ordered sizes. To facilitate adaptation to the patient's anatomy, two additional sizes of templates are also available. The template's holes are positioned in equilateral triangles (Paris System) with side lengths of 12 mm, 16 mm (set content), 8 mm and 20 mm (optional). All sizes of templates have the same number of holes arranged in three rows with seven, six, and five holes. The separation between the templates is continuously variable up to 180 mm, in order to fit to all patient anatomies.

Catheters or Needles

The templates can be used together with Eckert & Ziegler BEBIG flexible catheters single leader or plastic needles (all 1.65 mm).

Features

- CT/MR compatible
- Suitable for interstitial breast implants
- Breast templates available in four different sizes
- Compatible with 1.65 mm plastic needles and 16G flexible catheters single leader
- All parts can be steam sterilized

Set Content SET0080

Quantity	Item	Part number
1	Breast Template, Triple Plane, 12 mm (Paris), without Buttons	LLZ21-12
1	Breast Template, Triple Plane, 16 mm (Paris), without Buttons	LLZ21-16
1	Guide Pillar for Breast Template	LLZ20-01

Required Items

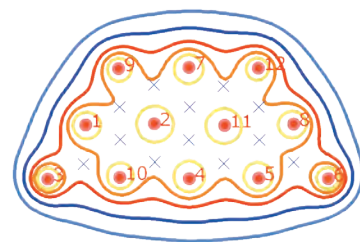
Quantity	Item	Part number
20	Flexible Catheter Single Leader, D = 1.65 mm, L = 300 mm*	LLA300-F
20	Hollow Needle for Flexible Catheter, 18G, L = 200 mm*	LLA200-H
1	Cutter for Flexible Catheters ⁷	LAH06-01
20	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000
2	Fixation Balls, d = 1.6 mm, D = 7 mm, (10 pcs)	LLZ06-05
1	Opening Forceps for Fixation Balls*** ²	LAH05-02
*Alternative:	Plastic Needles, sterile, D = 1.65 mm, L = 200 mm	LLA200-KB
	Obturers for Plastic and Steel Needles, L = 200 mm, (5 pcs)	LLH01-200

*** Opening Forceps are needed to position the Fixation Balls

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	Breast Template, Triple Plane, 8 mm (Paris), without Buttons	LLZ21-08
1	Breast Template, Triple Plane, 20 mm (Paris), without Buttons	LLZ21-20
1	Set of X-Ray Markers, L = 325 mm, Code = 01-02	SET0030
1	Set of X-Ray Markers, L = 325 mm, Code = 01-20	SET0034
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

Isodose



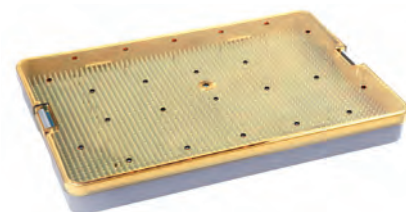
Easy Click Transfer Tube



Opening Forceps for Fixation Balls



Sterilization Box



¹ Manufactured by PST Plastic Sterilizing Trays Corporation

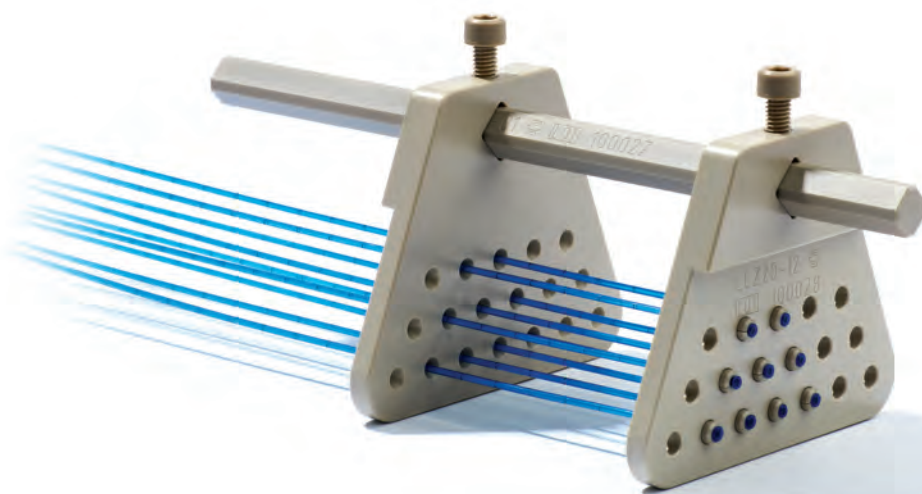
² Manufactured by Otto Leibinger GmbH

⁷ Manufactured by Pressmaster GmbH



Breast Bridge with Fixation Buttons

SET0081



CT/MR compatible tool with enhanced usability for treatment of breast cancer with plastic needles or flexible catheters.

Breast

Removable Fixation Buttons

Each pair of breast templates includes a template with fixation buttons. The buttons allow removal of the template, once the flexible catheters single leader have been implanted. All templates can be used together with Eckert & Ziegler BEBIG flexible catheters single leader or plastic needles (all 16G).

Adapting to Patient Anatomy

The set contains a guide pillar for the Breast Bridge and two pairs of breast templates in the two most commonly ordered sizes. To facilitate adaption to the patient's anatomy, two additional sizes of templates are also available. The template's holes are positioned in equilateral triangles (Paris System) with side lengths of 12 mm, 16 mm (set content), 8 mm and 20 mm (optional). All sizes of templates have the same number of holes arranged in three rows with seven, six, and five holes. The separation between the templates is continuously variable between 0 and 180 mm, in order to fit to all patient anatomies.

Boost or Monotherapy

The Breast Bridge with Fixation Buttons has been designed for HDR interstitial breast brachytherapy treatments, either for boost treatments or for monotherapy.

Features

- CT compatible and MR conditional
- Suitable for interstitial breast implants
- Thanks to the special design, all flexible implants can be inserted before the template is removed
- Build-in fixation buttons
- Breast templates available in four different sizes
- Compatible with 16G plastic needles and 16G flexible catheters single leader
- All parts can be steam sterilized

Set Content SET0081

Quantity	Item	Part number
1	Breast Template, Triple Plane, 12 mm (Paris), with Fixation Buttons	LLZ20-12
1	Breast Template, Triple Plane, 16 mm (Paris), with Fixation Buttons	LLZ20-16
1	Guide Pillar for Breast Template	LLZ20-01

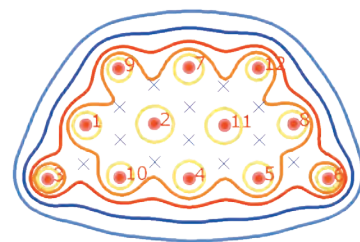
Required Items

Quantity	Item	Part number
20	Flexible Catheter Single Leader, D = 1.65 mm, L = 300 mm*	LLA300-F
20	Hollow Needle for Flexible Catheter, 18G, L = 200 mm*	LLA200-H
1	Cutter for Flexible Catheters ⁷	LAH06-01
20	Easy Click Transfer Tube, D = 3 mm, L = 1 000 mm	LAG1000
2	Fixation Balls, d = 1.6 mm, D = 7 mm, (10 pcs)	LLZ06-05
1	Opening Forceps for Fixation Balls *** ²	LAH05-02
* Alternative:	Plastic Needle, sterile, D = 1.65 mm, L = 200 mm	LLA200-KB
	Obturator for Plastic and Steel Needles, L = 200 mm, (5 pcs)	LLH01-200
*** Opening Forceps are needed to position the fixation balls		

Optional Items

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01
1	Breast Template, Triple Plane, 8 mm (Paris), with Fixation Buttons	LLZ20-08
1	Breast Template, Triple Plane, 20 mm (Paris), with Fixation Buttons	LLZ20-20
1	Set of X-Ray Markers, L = 325 mm, Code = 01-02	SET0030
1	Set of X-Ray Markers, L = 325 mm, Code = 01-20	SET0034
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

Isodose



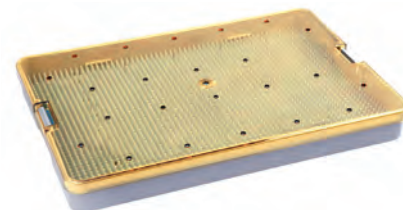
Easy Click Transfer Tube



Opening Forceps for Fixation Balls



Sterilization Box



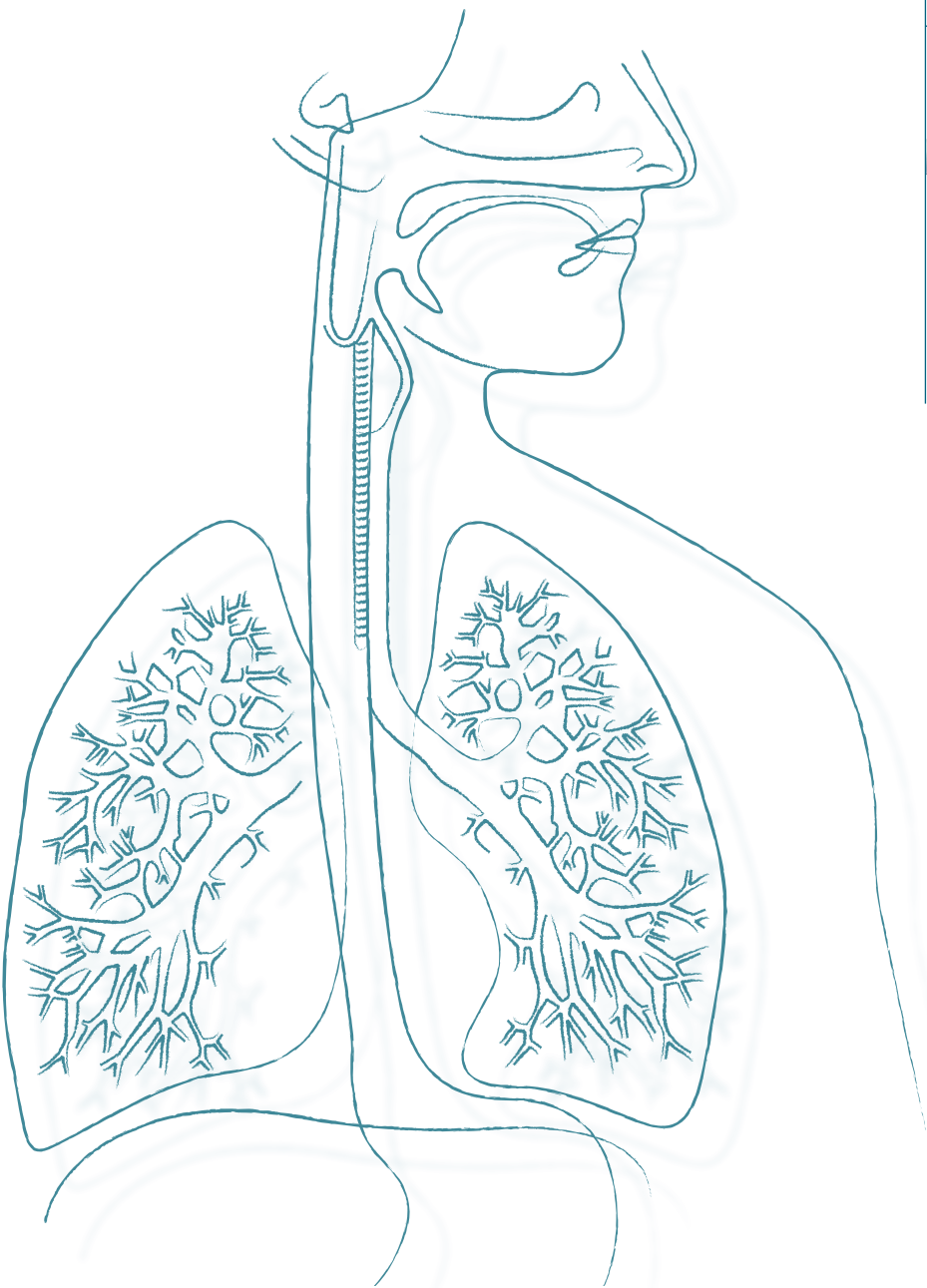
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

² Manufactured by Otto Leibinger GmbH

⁷ Manufactured by Pressmaster GmbH



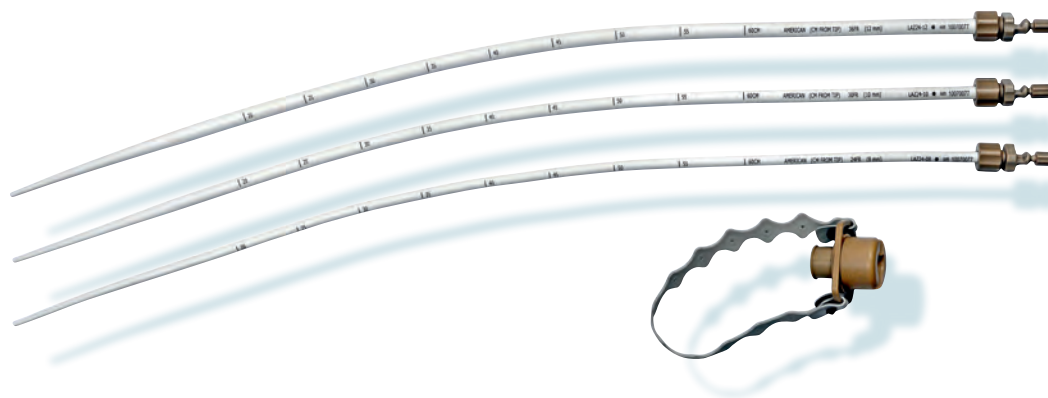
Esophagus & Bronchus



Eckert & Ziegler
Contributing to saving lives

Esophagus Applicator Set

SET0119



CT compatible applicator for treatment of esophageal cancer providing appropriate radial distance.

Esophagus

Variable Diameter

The Esophagus Applicator Set has been designed for HDR brachytherapy treatment of the esophagus. The set contains of 6 bougies in three different diameters, reusable applicator fixations for the universal applicator inside the bougie, a guidewire for Seldinger technique and a reusable mouthpiece.

Precise Dose Distribution

The different diameters of the bougie ensure an appropriate radial distance by keeping the esophagus mucosa away from areas of high dose-gradient. With a 2 mm universal applicator inside the bougie, the source can be placed in a centered radial position relative to the treated tissue. The universal applicator is fixed to the bougie with special adapters which prevent the longitudinal movement of the universal applicator inside the bougie.

Optional Application Techniques

The bougie can be inserted either under fluoroscopy or by using the guidewires for Seldinger technique under endoscopic examination. The reusable mouthpiece is compatible with all different bougies of the set. It immobilizes any applicator diameter, from 8 mm to 12 mm. To define longitudinal treatment position and length, optional radiopaque X-ray markers can be used for identification on fluoroscopy or X-ray images.

Features

- Suitable for esophagus brachytherapy treatments
- Large variety of diameters ensures appropriate distance from the source to the treated tissue
- Contains reusable mouthpiece and fixation adapters
- Includes guidewires for Seldinger technique
- Single use applicator that comes sterile for instant use

Set Content SET0119

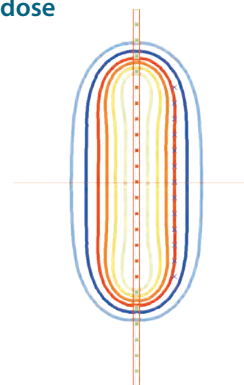
Quantity	Item	Part number
2	Bougie for Esophagus, single use, D = 8 mm (24 Fr)	LAZ24-08
2	Bougie for Esophagus, single use, D = 10 mm (30 Fr)	LAZ24-10
2	Bougie for Esophagus, single use, D = 12 mm (36 Fr)	LAZ24-12
1	Mouthpiece for Bougie	LAZ01-01
1	Applicator Fixation for Bougie, D = 8 mm	LAZ01-08
1	Applicator Fixation for Bougie, D = 10 mm	LAZ01-10
1	Applicator Fixation for Bougie, D = 12 mm	LAZ01-12
1	Guidewire for Bougie, marked, D = 0.89 mm****	LAZ01-05

**** Not MR safe – not to be used during MR scan

Required Items

Quantity	Item	Part number
1	Universal Applicator, marked, D = 2 mm, L = 1200 mm (sterile)	LLA1200-20
1	Connector for Universal Applicator, D = 2 mm	LLS50
1	Set of X-Ray Markers with Ruler, L = 1230 mm	SET0033
1	Sterile Gel (10 ml) ⁸	LLZ09

Isodose



Universal Applicator



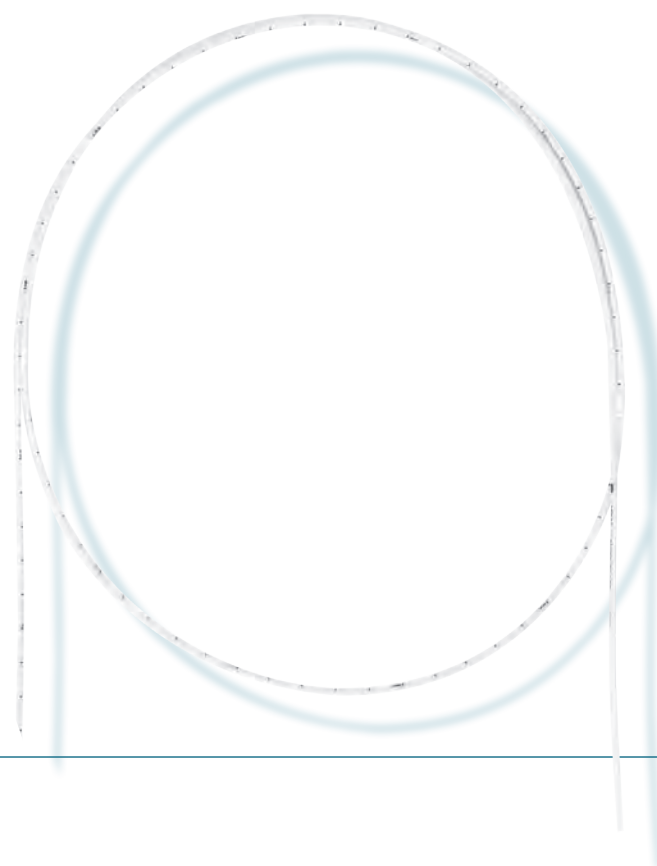
Connector for Universal Applicator



⁸ Manufactured by Farco-Pharma GmbH

Bronchus Intraluminal Set

SET0020



Basic tool for intraluminal brachytherapy with safe and easy connection to the afterloader.

Bronchus

Endobronchial Brachytherapy

The Bronchus Intraluminal Set has been designed for HDR intraluminal brachytherapy treatments, especially for endobronchial brachytherapy.

Easy Insertion

The set contains universal applicators with a diameter of 2 mm and a length of 1200 mm, connectors for safe and easy connection to the afterloader, and X-ray markers for identification of the applicators on X-ray images. The small diameter allows easy insertion of the applicator into a smaller lumen.

Sterile Delivery

The applicators are provided sterile, allowing immediate clinical use. The applicators are for single use only.

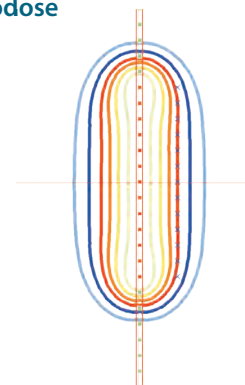
Features

- Small diameter allows easy insertion into a small lumen
- Universal Applicators are delivered sterile
- X-ray markers for easy identification during treatment planning

Set Content SET0020

Quantity	Item	Part number
2	Connector for Universal Applicator, D=2 mm*****	LLS50
15	Universal Applicator, D=2 mm, L=1200 mm	LLA1200-20
1	X-Ray Marker with Ruler 10:10, D=1.2 mm, L=1230 mm	LLH02-21
1	X-Ray Marker with Ruler 5:5, D=1.2 mm, L=1230 mm	LLH02-22
***** Not MR safe nor conditional – not to be used during MR scan		

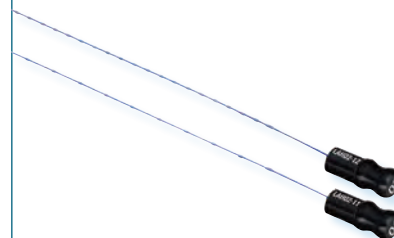
Isodose



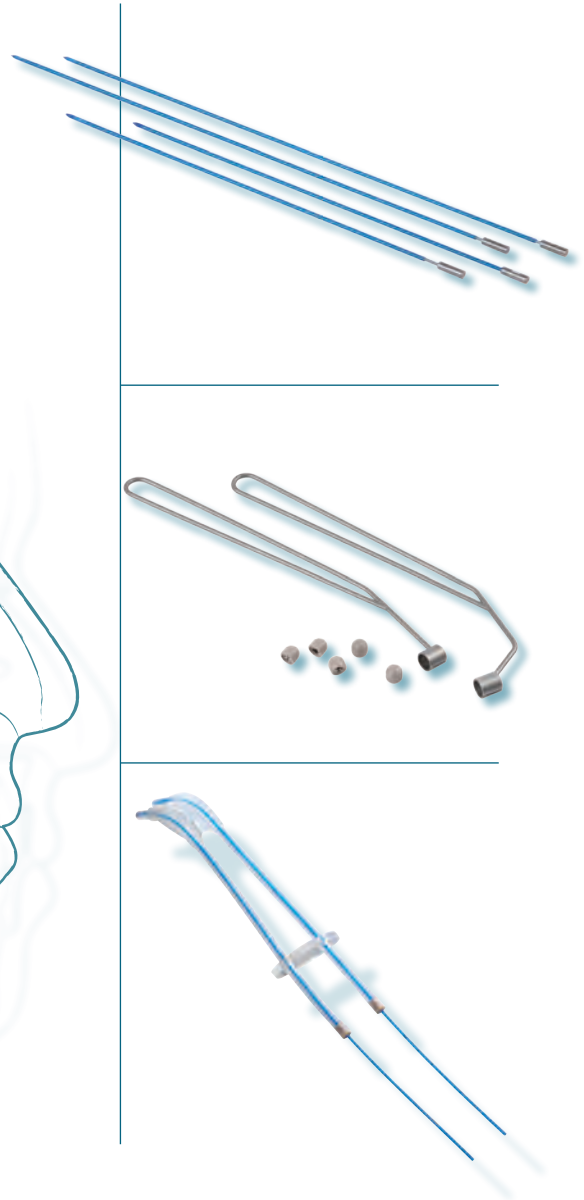
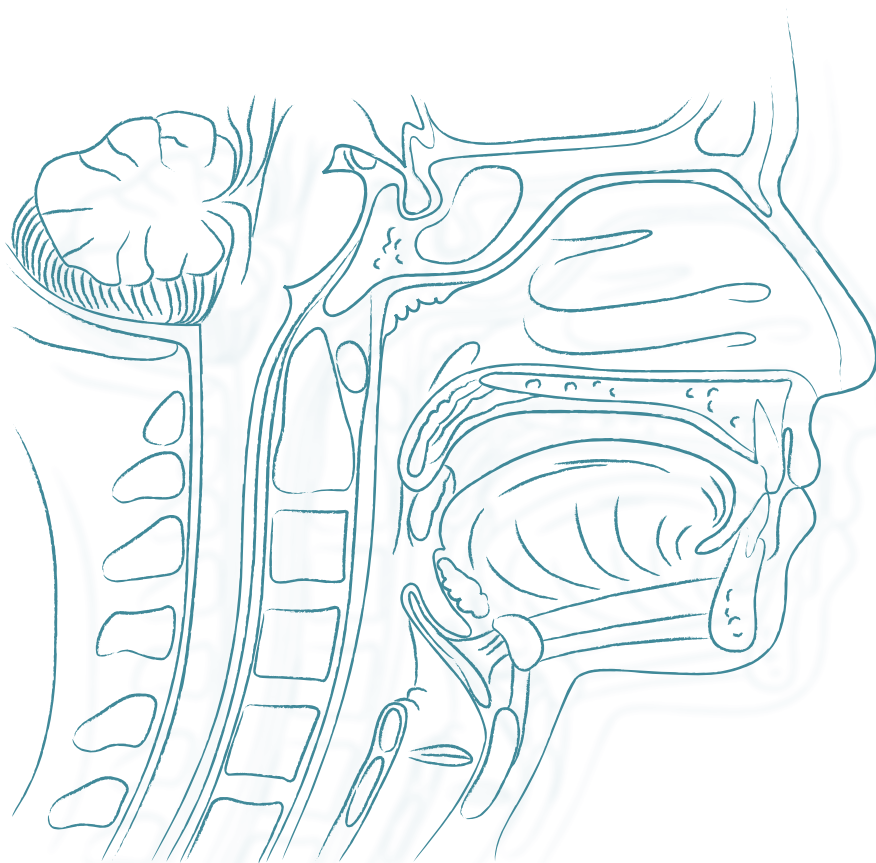
Connector for Universal Applicator



X-Ray Marker



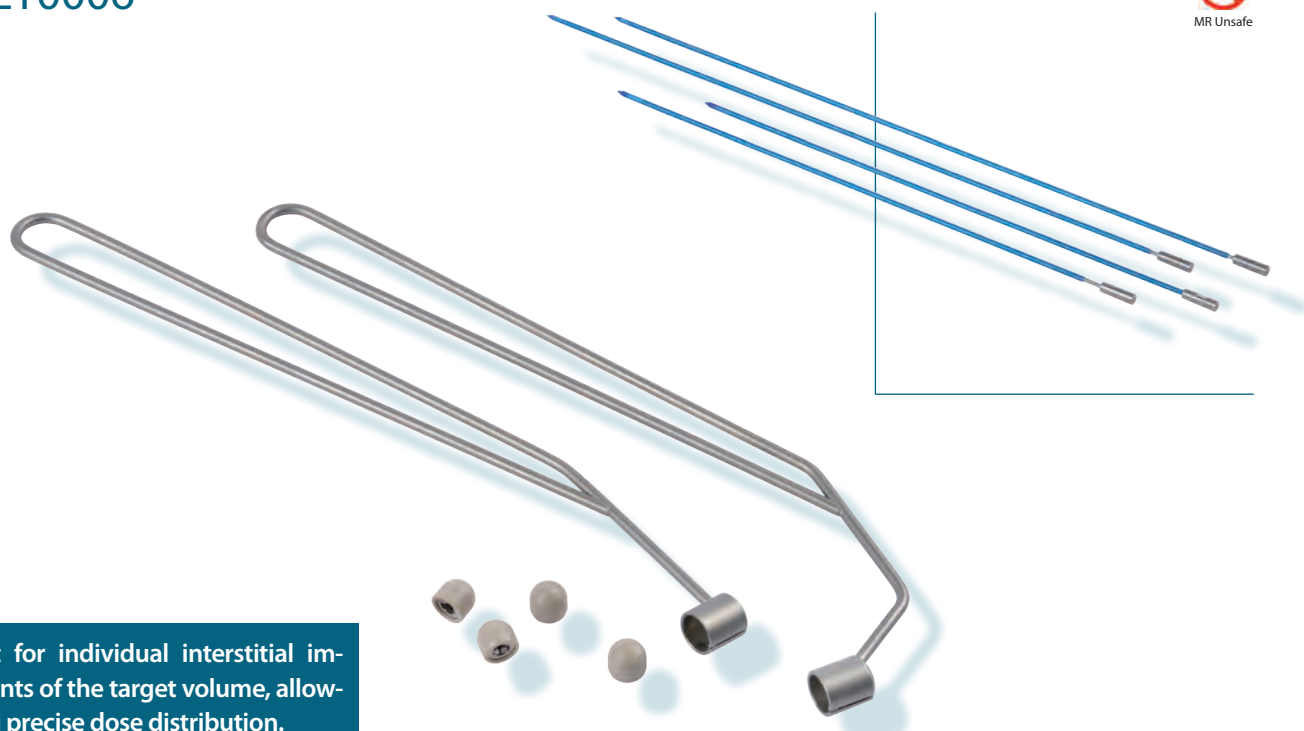
Head & Neck



Eckert & Ziegler
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Tongue and Mouth Applicator Set

SET0006



Set for individual interstitial implants of the target volume, allowing precise dose distribution.

Tongue, Mouth

Easy Insertion

The Tongue and Mouth Applicator Set is used for the brachytherapy of the tongue and floor of the mouth. The 16G plastic needles are designed to be easily inserted with an obturator ensuring an accurate implant of the target volume. The fixation caps are tolerable for the patient during treatment by covering the needle tips.

Effective Fixation

The set includes two anatomically shaped holders for fixation caps. The holders are designed to attach the caps in the glossal or subglossal area. Fixation balls ensure that the needles remain in place.

Precise Dose Distribution

By providing the tools to easily implant this difficult area, it is possible to obtain a precise dose distribution which completely encompasses the target volume. The Tongue and Mouth Applicator Set streamlines interstitial brachytherapy, and is tolerable for the patient during treatment.

Features

- Fixation caps are tolerable for the patient during treatment
- Individual needle implants allow precise dose distribution
- Fixation cap holders easily attach the caps to the needles while maintaining implant geometry
- Needles and obturators are designed for added rigidity and easy insertion
- Tongue and Mouth Applicator Set streamlines the implant procedure

Set Content SET0006

Quantity	Item	Part number
20	Fixation Cap for Plastic Needles	LLZ02-01
2	Fixation Balls, d = 1.6 mm, D = 7 mm, (10 pcs)	LLZ06-05
1	Opening Forceps for Fixation Balls ²	LAH05-02
1	Holder for Fixation Cap, glossal	LAH04-01
1	Holder for Fixation Cap, subglossal	LAH04-02
20	Plastic Needle, sterile, D = 1.65 mm, L = 150 mm	LLA150-KB
1	Obturators for Plastic Needles, L = 150 mm, (5 pcs)	LLH01-150

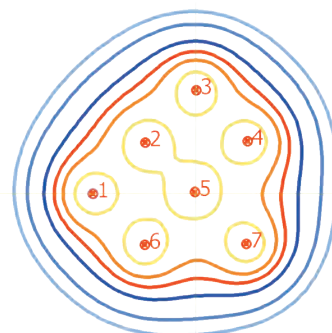
Required Items

Quantity	Item	Part number
20	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000

Optional Items

Quantity	Item	Part number
1	Set of X-Ray Markers, L = 325 mm, Code = 01-02	SET0030
1	Set of X-Ray Markers, L = 325 mm, Code = 01-20	SET0034
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

Isodose



Opening Forceps for Fixation Balls



Easy Click Transfer Tube

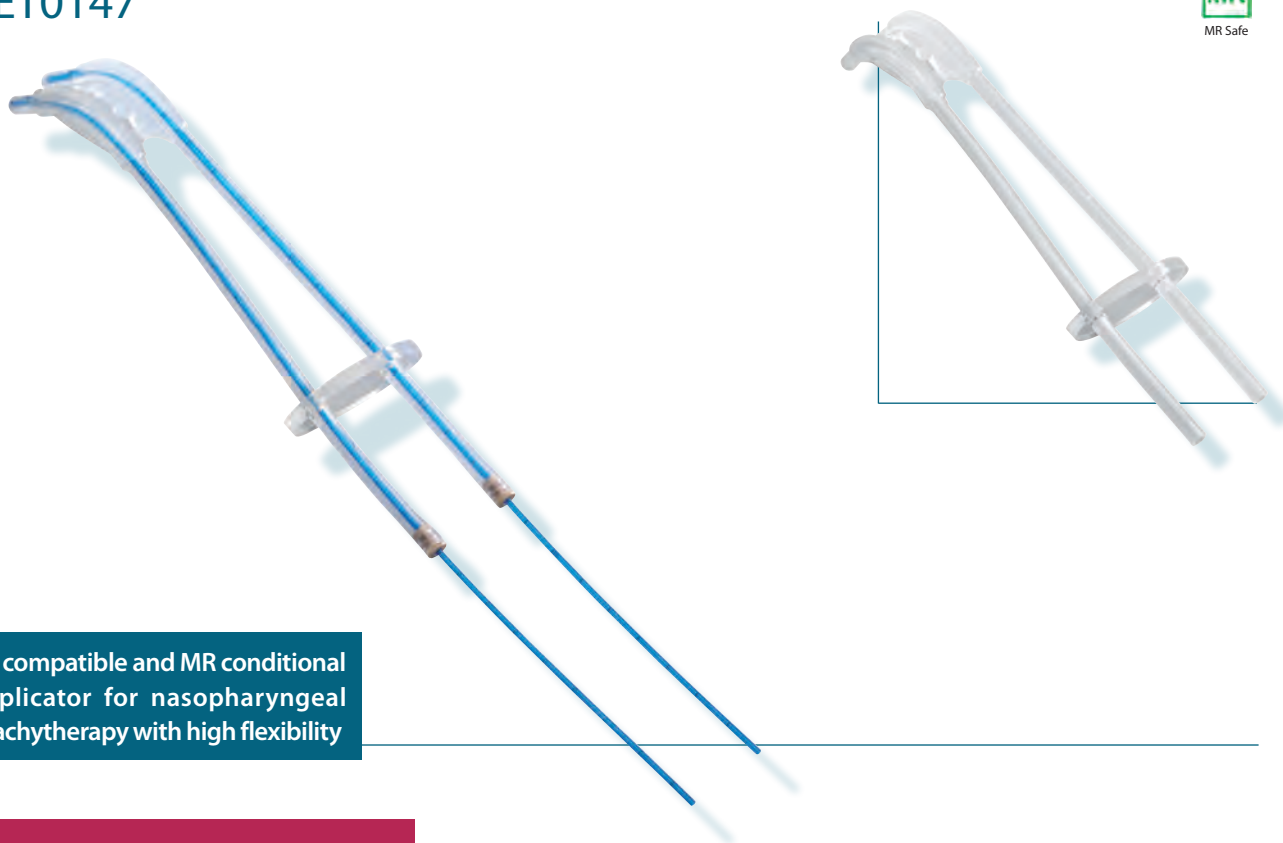


² Manufactured by Otto Leibinger GmbH



Nasopharynx Applicator Set

SET0147



CT compatible and MR conditional applicator for nasopharyngeal brachytherapy with high flexibility

Nasopharynx

Treatment of the Nasopharynx

The Nasopharynx Applicator (Rotterdam Type) is designed for intracavitary HDR brachytherapy treatment of nasopharyngeal tumors. It is made of flexible silicone that adapts to the individual nasopharyngeal cavity.

Safe and Easy Handling

The Nasopharynx Applicator is delivered sterile and for single use only. A bridge connecting the silicone tubes of the applicator securely fixes the position in the nasopharynx.

Precise Dose Distribution

While the flexible catheters type N (LLA300-N) are removed, the applicator remains in place for multiple fractions and keeps its fixed position, thus allowing precise and reproducible dose distribution for every single fraction.

Features

- CT compatible and MR conditional
- Flexible mould applicator for intracavitary HDR brachytherapy treatment of nasopharyngeal tumors
- Bridge on the silicone tubes securely fixes the applicator position in the nasopharynx
- Applicator is delivered sterile
- For single use only

Set Content SET0147

Quantity	Item	Part number
1	Nasopharynx Applicator (Rotterdam Type)	LAZ08
1	Sterile Gel (10 ml) ⁸	LLZ09
6	Flexible Catheters, Type N, D = 1.65 mm, L = 300 mm, (2 pcs)	LLA300-N
1	Cutter for Flexible Catheters ⁷	LAH06-01

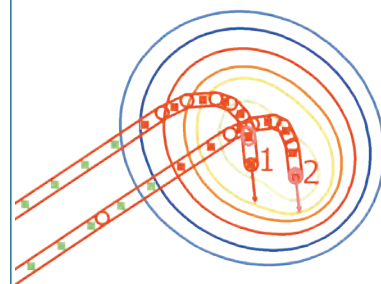
Required Items

Quantity	Item	Part number
2	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000
1	Set of X-Ray Markers, L = 325 mm, Code = 01-02	SET0030

Optional Items

Quantity	Item	Part number
1	Channel Coding for Needles and Catheters (Channel 1)	LLZ03-01
1	Channel Coding for Needles and Catheters (Channel 2)	LLZ03-02
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

Isodose



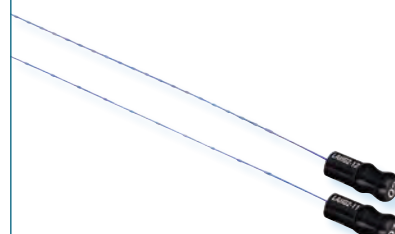
Cutter for Flexible Catheters



Easy Click Transfer Tube



X-Ray-Marker

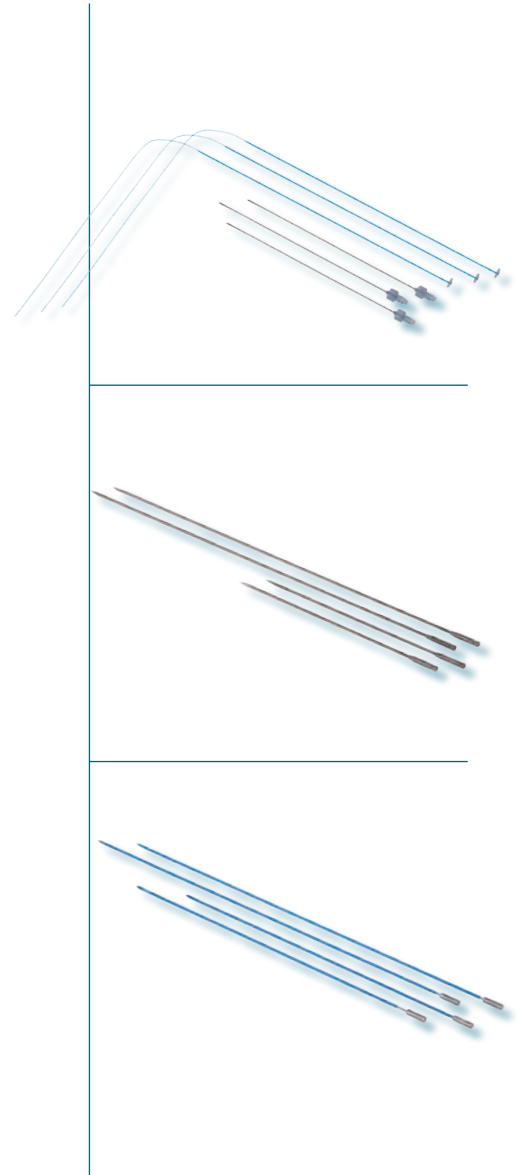
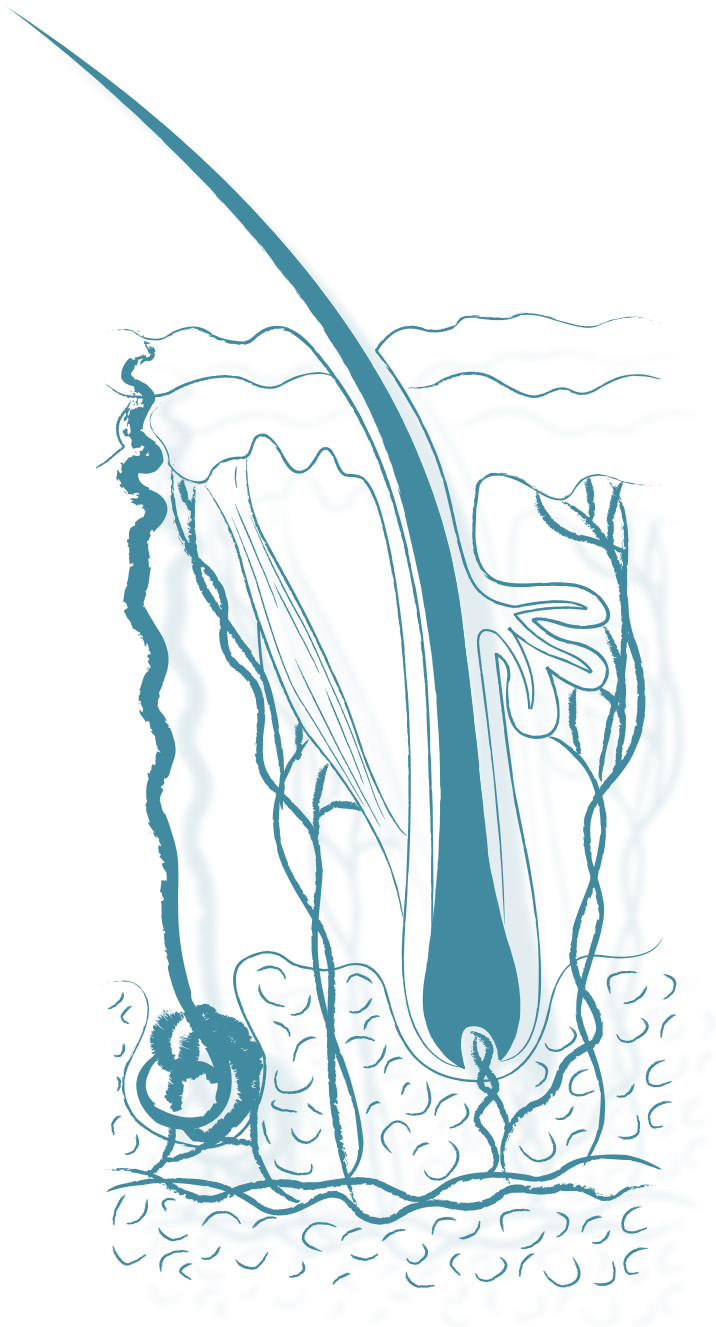


⁷ Manufactured by Pressmaster GmbH

⁸ Manufactured by Farco-Pharma GmbH

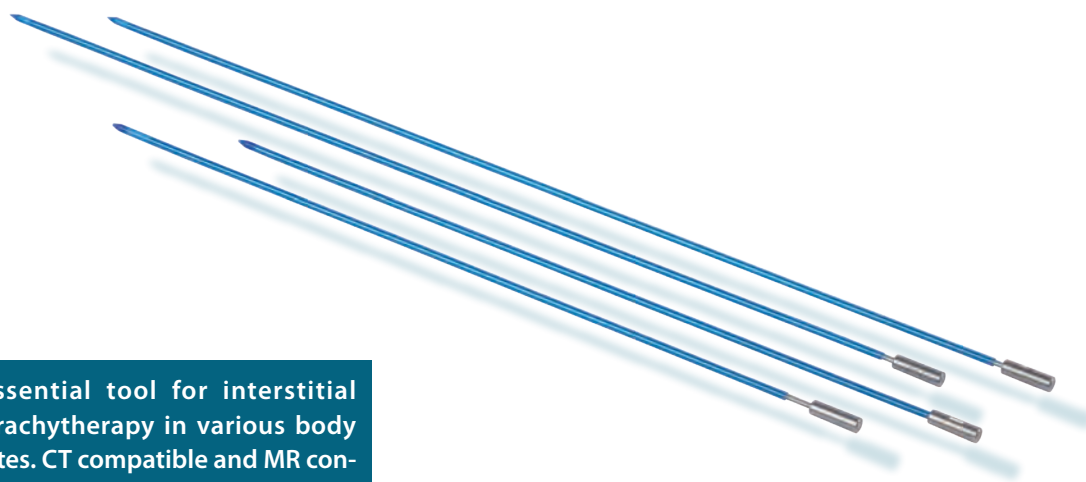


Interstitial



Plastic Needle Set

SET0012



Essential tool for interstitial brachytherapy in various body sites. CT compatible and MR conditional and delivered sterile.

Head, Neck, Breast, Prostate

Multiple Treatment Options

The Plastic Needle Set has been designed for various HDR interstitial brachytherapy treatments, including head and neck, breast and prostate. The set contains 20 plastic needles, 16G, with an outside diameter of 1.65 mm and a length of 200 mm. They can be used with or without the corresponding templates.

Meeting Clinical Needs

Before inserting a plastic needle, a reusable steel needle is used to create the implant channel. Reusable obturators serve to maintain needle stability during implant and prevent kinking and damaging the needles. Plastic needles are provided sterile for prompt clinical use and are intended for single use only. Waste avoidance is achieved by providing the sterile needles in packages of one and five pieces per package. To meet clinical needs, the plastic needles are available in lengths of 150 mm and 300 mm with corresponding obturators.

Secure Fixation and Better Visibility

Optionally, fixation balls are available to secure the needles to the patient. X-ray markers can be utilized for better visualization on images.

Features

- CT/MR compatible
- Suitable for interstitial treatments
- Are delivered sterile
- Available in lengths of 150 mm, 200 mm and 300 mm
- Obturators with similar lengths can be steam sterilized
- To avoid unnecessary opening of sterile packaging 75% (15) of the needles in SET0012 are delivered in packages of five and 25% (5) in packages of 1

Set Content SET0012

Quantity	Item	Part number
20	Plastic Needle, sterile, D = 1.65 mm, L = 200 mm*	LLA200-KB
1	Obturator for Plastic and Steel Needles, L = 200 mm, (5 pcs)*	LLH01-200
1	Steel Needles, D = 1.7 mm, L = 200 mm, (5 pcs)	LLA200-S
1	Sealing Caps, (10 pcs)	LAZ17-03
*Alternative 1:	Plastic Needle, sterile, D = 1.65 mm, L = 150 mm	LLA150-KB
	Obturator for Plastic Needles, L = 150 mm, (5 pcs)	LLH01-150
*Alternative 2:	Plastic Needle, sterile, D = 1.65 mm, L = 300 mm	LLA300-KB
	Obturator for Plastic Needles, L = 300 mm, (5 pcs)	LLH01-300

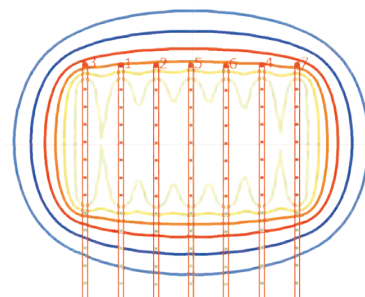
Required Items

Quantity	Item	Part number
20	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000

Optional Items

Quantity	Item	Part number
1	Set of X-Ray Markers, L = 325 mm, Code = 01-02	SET0030
1	Set of X-Ray Markers, L = 325 mm, Code = 01-20	SET0034
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01
1	Fixation Balls, d = 1.6 mm, D = 7 mm, (10 pcs)	LLZ06-05
1	Opening Forceps for Fixation Balls ²	LAH05-02

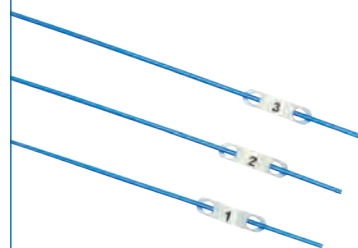
Isodose



Easy Click Transfer Tube



Channel Coding for Needles and Catheters



Channel Coding for Transfer Tubes

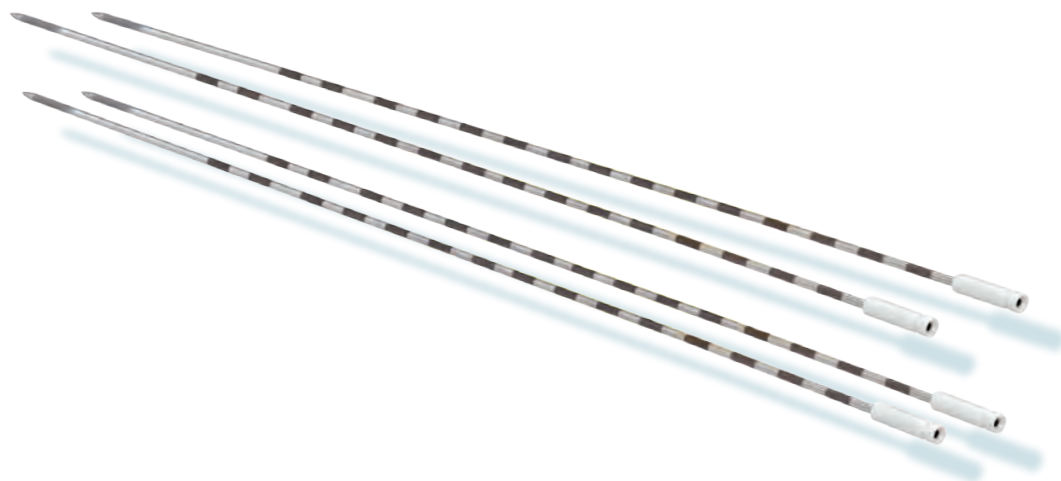


² Manufactured by Otto Leibinger GmbH



Disposable Steel Needle Set

SET0052



Essential tool for interstitial brachytherapy applications

Prostate, GYN, Rectum, Head & Neck

Wide Range of Applications

The Disposable Steel Needle Set is intended for various interstitial brachytherapy applications. The needles are made of stainless steel, with a length of 210 mm and a diameter of 17G for use with 17G templates.

Essential for Prostate Treatment

The disposable steel needles are suitable for the prostate treatment. For the first dwell position of the source the distance between the tip of the needle and the center of the radioactive core is only 6.75 mm. This may improve the dose coverage of the prostate. Optical marking on the needles help to estimate the inserted length.

Easy Insertion

The disposable steel needles can be inserted easily into the tissue by using the obturator. They are provided sterile for immediate clinical use and are intended for single use only. To avoid waste of sterile needles, packages containing both one piece and five pieces per package are provided.

Features

- Is delivered sterile, for single use only
- Minimal distance between tip of the needle and center of the radioactive core only 6.75 mm
- 210 mm length
- Made of stainless steel
- For all 17G templates

Set content SET0052

Quantity	Item	Part number
20	Disposable Steel Needle, D = 1.5 mm/17G, single use	LLA210-S
1	Obturator for Disposable Steel Needles, L=210 mm, (5 pcs)	LLH01-210

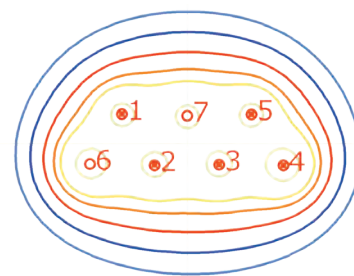
Required Items

Quantity	Item	Part number
20	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

Optional Items

Quantity	Item	Part number
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01

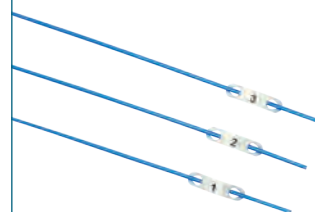
Channel Coding for Needles and Catheters



Transfer Tube



Channel Coding for Needles and Catheters



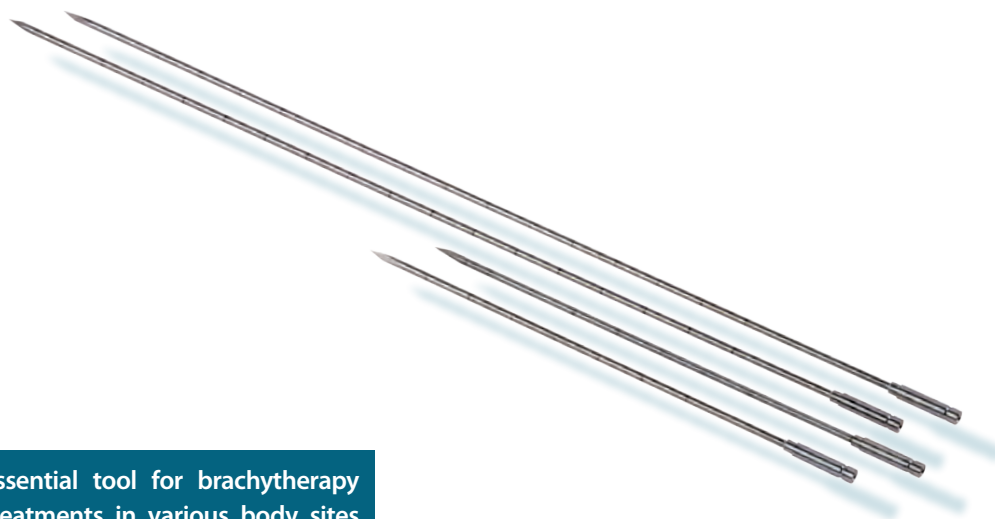
Channel Coding for Transfer Tubes



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Contributing to saving lives

Interstitial Needle Set

SET0003



Essential tool for brachytherapy treatments in various body sites with specially designed needle tip.

Head, Neck

Wide Range of Applications

The Interstitial Needle Set is designed to cover a wide range of applications, which makes it an essential tool for interstitial brachytherapy. The obturators included in the set allow to insert the stainless steel needles both with and without a template.

Special Needle Design

The steel needles are designed with a trocar shaped tip in order to easily glide through tissue. The tip is extremely rigid and will not become dull after repeated use.

For Multiple Use

The steel needles are reusable and can be steam sterilized.

Features

- Suitable for a wide range of interstitial brachytherapy treatments
- Stainless steel needles meet clinical requirements
- Set is reusable; reprocessing via automatic cleaning and disinfection; steam sterilization

Set Content SET0003

Quantity	Item	Part number
4	Steel Needles, D = 1.7 mm, L = 100 mm, (5 pcs)	LLA100-S
4	Steel Needles, D = 1.7 mm, L = 200 mm, (5 pcs)	LLA200-S
1	Obturers for Steel Needles, L = 100 mm, (5 pcs)	LLH01-100
1	Obturers for Plastic and Steel Needles, L = 200 mm, (5 pcs)	LLH01-200
6	Sealing Caps, (10 pcs)	LAZ17-03

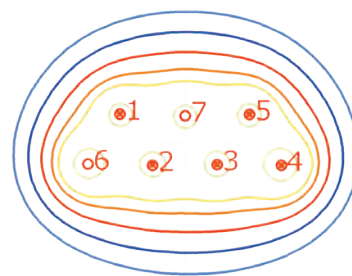
Required Items

Quantity	Item	Part number
20	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

Optional Items

Quantity	Item	Part number
1	Set of X-Ray Markers, L = 325 mm, Code = 01-02	SET0030
1	Set of X-Ray Markers, L = 325 mm, Code = 01-20	SET0034
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01
2	Fixation Balls, d = 1.62 mm, D = 7 mm, (10 pcs)	LLZ06-03
1	Opening Forceps for Fixation Balls ²	LAH05-02
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01

Isodose



Transfer Tube



Channel Coding for Needles and Catheters



Channel Coding for Transfer Tubes



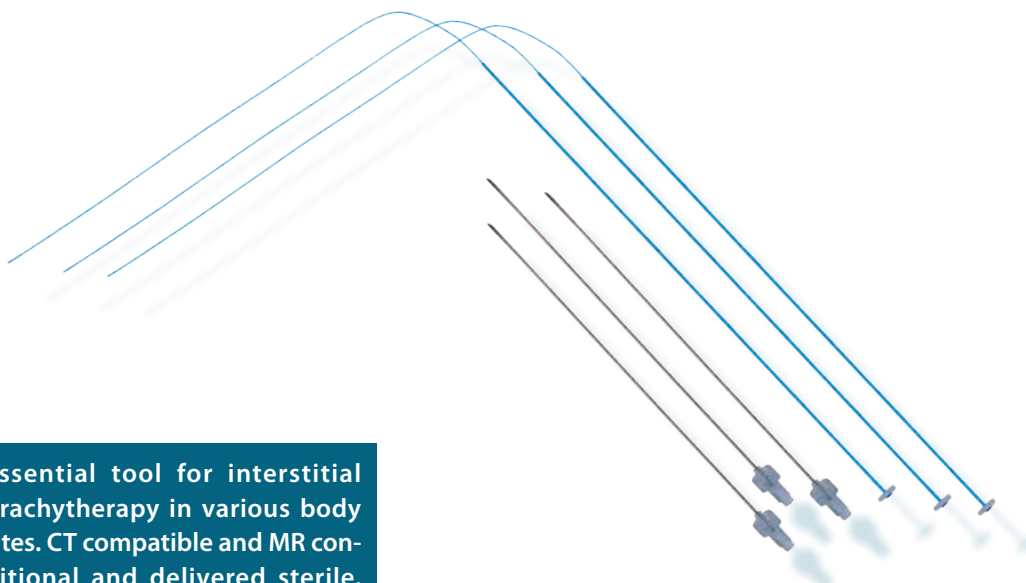
¹ Manufactured by PST Plastic Sterilizing Trays Corporation

² Manufactured by Otto Leibinger GmbH



Flexible Catheters Single Leader

SET0051



Essential tool for interstitial brachytherapy in various body sites. CT compatible and MR conditional and delivered sterile.

Breast, Sarcoma, Head, Neck

Multiple Treatment Options

The Flexible Catheters Single Leader Set has been designed for HDR interstitial brachytherapy, especially for breast, sarcoma, head and neck treatments. The set contains 20 Flexible Catheters Single Leader with an outside diameter of 1.65 mm and a length of 300 mm, 20 stainless steel hollow needles for an easy implantation of the flexible catheters and a cutter for the flexible catheters.

Meeting Clinical Needs

The flexible catheters are also available in lengths of 200 mm. All of them are Flexible Catheters Single Leader with stop buttons which prevent the flexible catheter from moving into the tissue after insertion. No extra fixation buttons are necessary on this side. If the fixation buttons are not needed, they can easily be removed. Integrated core filaments prevent kinking and damage of the flexible catheters during insertion. This core can be easily removed before the treatment, and should be reinserted between fractions to avoid kinking of the flexible catheters. The flexible catheters and hollow needles are provided sterile allowing immediate clinical use and are single use only.

Secure Fixation and Better Visibility

Optional fixation balls are available to secure the flexible catheters. The reusable fixation balls can be easily attached to the flexible catheters by using the respective opening forceps. For better visibility, X-ray markers can be ordered.

Features

- CT/MR compatible
- Are delivered with stop buttons
- Integrated core filament for increased stability
- Available in lengths of 200 mm and 300 mm
- Flexible catheters single leader and hollow needles are delivered sterile

Set Content SET0051

Quantity	Item	Part number
20	Flexible Catheter Single Leader, D = 1.65 mm, L = 300 mm*	LLA300-F
20	Hollow Needle for Flexible Catheter, 18G, L = 200 mm	LLA200-H
1	Cutter for Flexible Catheters ⁷	LAH06-01
*Alternative:	Flexible Catheter Single Leader, D = 1.65 mm, L = 200 mm	LLA200-F

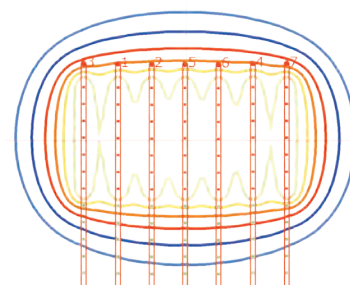
Required Items

Quantity	Item	Part number
20	Easy Click Transfer Tube, L = 1000 mm	LAG1000

Optional Items

Quantity	Item	Part number
2	Fixation Balls, d = 1.6 mm, D = 7 mm, (10 pcs)	LLZ06-05
1	Opening Forceps for Fixation Balls ²	LAH05-02
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01
1	Set of X-Ray Markers, L = 325 mm, Code = 01-02	SET0030
1	Set of X-Ray Markers, L = 325 mm, Code = 01-20	SET0034

Isodose



Easy Click Transfer Tube



Channel Coding for Needles and Catheters



Channel Coding for Transfer Tubes



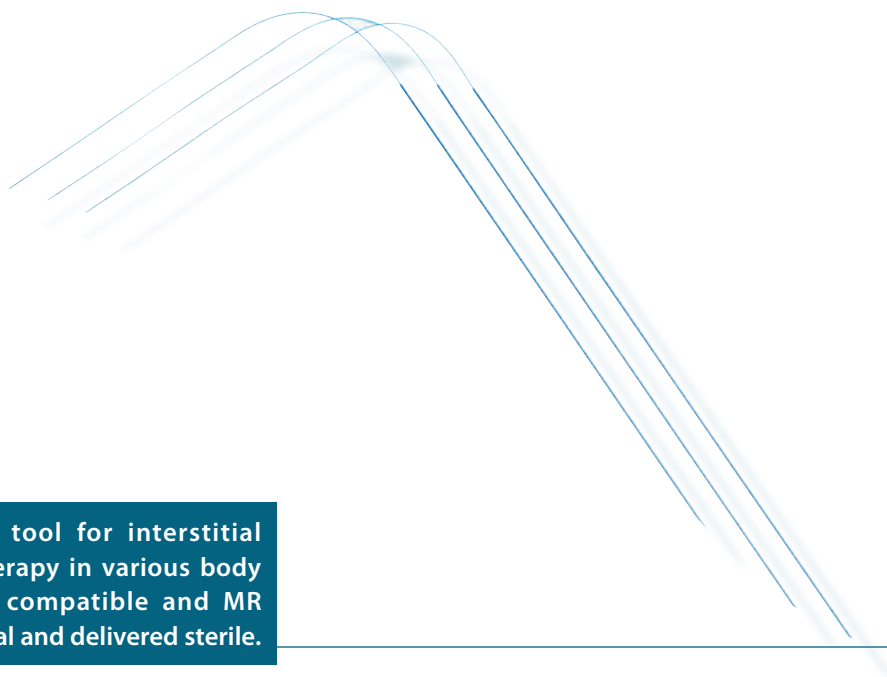
² Manufactured by Otto Leibinger GmbH

⁷ Manufactured by Pressmaster GmbH



Flexible Catheters Blind End

LLA300-FB, LLA500-FB



Essential tool for interstitial brachytherapy in various body sites. CT compatible and MR conditional and delivered sterile.

Sarcoma, Head, Neck, Breast

Multiple Treatment Options

The Flexible Catheters Blind End have been designed for HDR interstitial brachytherapy treatments, especially for intraoperative applications for subsequent postoperative fractionated treatment of tissue tumors.

Variable Length

The Flexible Catheters Blind End are available in lengths of 300 mm and 500 mm and are suitable for computer tomography and magnetic resonance imaging.

Easy Insertion

The Flexible Catheters Blind End are inserted during surgery and guided through the tissue via hollow needles that guarantee an easy insertion.

Features

- CT compatible and MR conditional
- Integrated core filament for increased stability
- Available in lengths of 300 mm and 500 mm
- Flexible Catheters Blind End and hollow needles are delivered sterile

LLA300-FB

Quantity	Item	Part number
20	Flexible Catheter Blind End, D= 1.65 mm, L= 300 mm	LLA300-FB

LLA500-FB

Quantity	Item	Part number
20	Flexible Catheter Blind End, D=1.65mm, L= 500 mm	LLA500-FB

Required Items LLA300-FB

Quantity	Item	Part number
5	Hollow Needle for Flexible Catheter, 18G, L= 200 mm	LLA200-H
1	Cutter for Flexible Catheters ⁸	LAH06-01
20	Easy Click Transfer Tube, D = 3 mm, L= 1000 mm	LAG1000

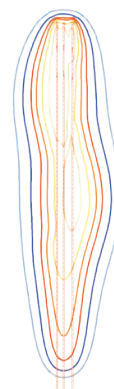
Required Items LLA500-FB

Quantity	Item	Part number
5	Hollow Needle for Flexible Catheter, 18G, L= 200 mm	LLA200-H
1	Cutter for Flexible Catheters ⁷	LAH06-01
20	Easy Click Transfer Tube, D = 3 mm, L= 800 mm	LAG800

Optional Items

Quantity	Item	Part number
1	Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21
1	Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01
2	Fixation Balls, d= 1.6 mm, D= 7 mm, (10 pcs)	LLZ06-05
1	Opening Forceps for Fixation Balls ²	LAH05-02

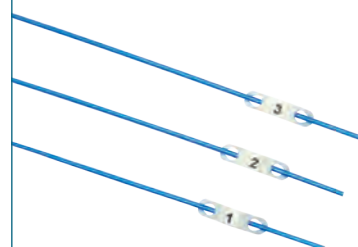
Isodose



Easy Click Transfer Tube



Channel Coding for Needles and Catheters



Channel Coding for Transfer Tubes



² Manufactured by Otto Leibinger GmbH

⁷ Manufactured by Pressmaster GmbH



H.A.M. Applicators (Flabs)

LFO01-03 - LFO01-24



Customized applicators for HDR intraoperative radiation therapy and treatment of superficial tumors.



Skin, Colorectum, Pelvis, Retroperitoneum

Various Treatment Sites

The Harrison-Anderson-Mick Applicators are used for the treatment of advanced or recurrent colorectal cancer, advanced tumors of pelvis or retroperitoneum, chest wall sarcomas and superficial tumors.

Flexibility

The H.A.M. Applicator consists of a flexible pad of silicone rubber that is 8 mm thick. An array of catheters are embedded parallel to each other spaced 10 mm apart while a consistent source-to-tissue distance of 5 mm is maintained. Because of its flexibility, the H.A.M. Applicator easily conforms to the shape of surfaces to which it is applied.

Customized Solution

H.A.M. Applicators are available in different sizes. Multiple numbers of channels from 3 up to 24 provide the desired treatment area coverage. The H.A.M. Applicators are for single use only.

Features

- Various treatment options
- Guarantee uniform dose distribution
- Customized sizes
- Each H.A.M. Applicator can be ordered also separately
- Single use

LFO01-03 - LFO01-24

Quantity	Item	Part number
1	H.A.M. Applicator, 3-channel, 6 Fr, without embedded catheters	LFO01-03
1	H.A.M. Applicator, 4-channel, 6 Fr, without embedded catheters	LFO01-04
1	H.A.M. Applicator, 6-channel, 6 Fr, without embedded catheters	LFO01-06
1	H.A.M. Applicator, 9-channel, 6 Fr, without embedded catheters	LFO01-09
1	H.A.M. Applicator, 12-channel, 6 Fr, without embedded catheters	LFO01-12
1	H.A.M. Applicator, 15-channel, 6 Fr, without embedded catheters	LFO01-15
1	H.A.M. Applicator, 18-channel, 6 Fr, without embedded catheters	LFO01-18
1	H.A.M. Applicator, 21-channel, 6 Fr, without embedded catheters	LFO01-21
1	H.A.M. Applicator, 24-channel, 6 Fr, without embedded catheters	LFO01-24

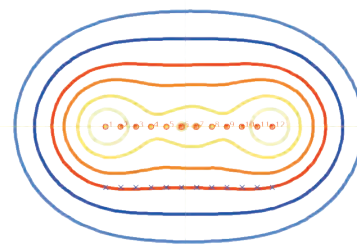
Required Items

Quantity	Item	Part number
1	Easy Click Transfer Tube, D = 3 mm, L = 1000 mm	LAG1000
20	Flexible Catheter Single Leader, D = 1.65 mm, L = 300 mm	LLA300-F
1	Cutter for Flexible Catheters ⁷	LAH06-01

Optional Items

Quantity	Item	Part number
1	Set of X-Ray Markers, L = 325 mm, Code = 01-20	SET0034
*****	Fixation Balls, d = 1.6 mm, D = 7 mm, (10 pcs)	LLZ06-05
1	Opening Forceps for Fixation Balls ²	LAH05-02
***** Depending on the numbers of channels to be used		

Isodose



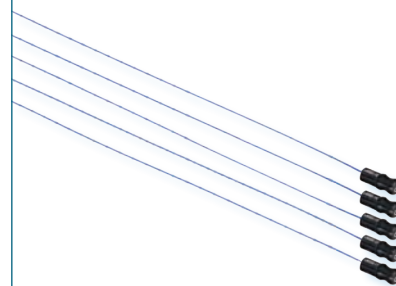
Easy Click Transfer Tube



Cutter for Flexible Catheter



X-Ray Marker



² Manufactured by Otto Leibinger GmbH

⁷ Manufactured by Pressmaster GmbH



Valencia Applicator Set

SET1503



A skin applicator, comprising a unique combination of a dose flattening filter and the treatment planning and treatment delivery systems SagiPlan® and SagiNova®.

Skin

Non-invasive Brachytherapy

The Valencia Applicator design allows for non-invasive brachytherapy of skin cancer^a, which can be performed in a few fractions with high dose rate Ir-192 sources. The tungsten-shielded applicator provides a flat dose profile to the skin to provide a more uniform dose to the target area.

Integration with SagiPlan®

The calculation of the dose distribution in SagiPlan® is performed according to a hybrid TG-43 technique with a virtual source model based on Monte-Carlo simulations^b. This model allows for easy and well documented dose prescriptions in SagiPlan®. Furthermore, dose and applicator visualization is available to show the dose in respective ultrasound images.

Integration with SagiNova®

The 20 mm and 30 mm versions have different tube lengths to allow for automatic length verification with the SagiNova® afterloader. If the treatment plan requires a 20 mm applicator, the afterloader measures the length of the connected applicator and checks that it matches the expectation.

^a For use on intact skin

^b G. Anagnostopoulos, M. Andr  ssy, D. Baltas
The Bebig Valencia-type skin applicators: Dosimetric study and implementation of a dosimetric hybrid technique, Brachytherapy, Published online: June 14, 2017

Currently, the Valencia Applicator Set is not compatible with MultiSource® and GyneSource.

Features

- 20 mm and 30 mm versions with horizontal source channel
- Dose flattening filter
- Comprehensive dose prescription and documentation in SagiPlan®
- Applicator models in SagiPlan® library with full 3D geometric data
- Dose distribution based on Monte-Carlo data
- Automatic length check in SagiNova® to assure the correct applicator is connected
- Robust transport and storage tray

SET1503, for Eckert & Ziegler BEBIG transfer tubes

Quantity	Item	Part number
1	Valencia Applicator, D = 20 mm	LCT1503-20 (BVH-20)
1	Valencia Applicator, D = 30 mm	LCT1503-30 (BVH-30)
1	Cap with Marker Ring, D = 20 mm	LCZ1503-21
1	Cap with Marker Ring, D = 30 mm	LCZ1503-31
1	Cap without Marker Ring, D = 20 mm	LCZ1503-22
1	Cap without Marker Ring, D = 30 mm	LCZ1503-32
1	Sealing Caps, (10 pcs)	LAZ17-03
1	Transport and Storage Tray	LCZ1503-11

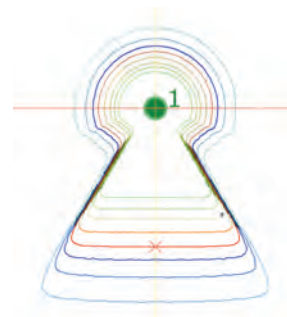
Required Items

Quantity	Item	Part number
1	Transfer Tube, D = 3 mm, L = 1000 mm	LAF1000

Optional Items

Quantity	Item	Part number
1	Replacement Caps (LCZ1503-21, LCZ1503-31, LCZ1503-22, LCZ1503-32)	LCZ1503-04

Isodose



Calibration Data



Transfer Tube

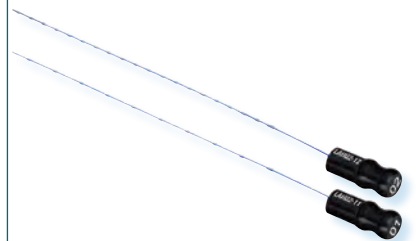
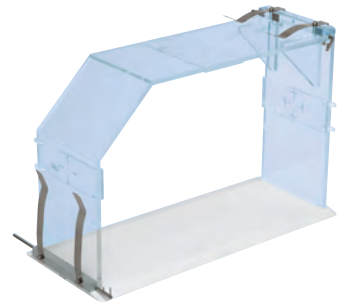
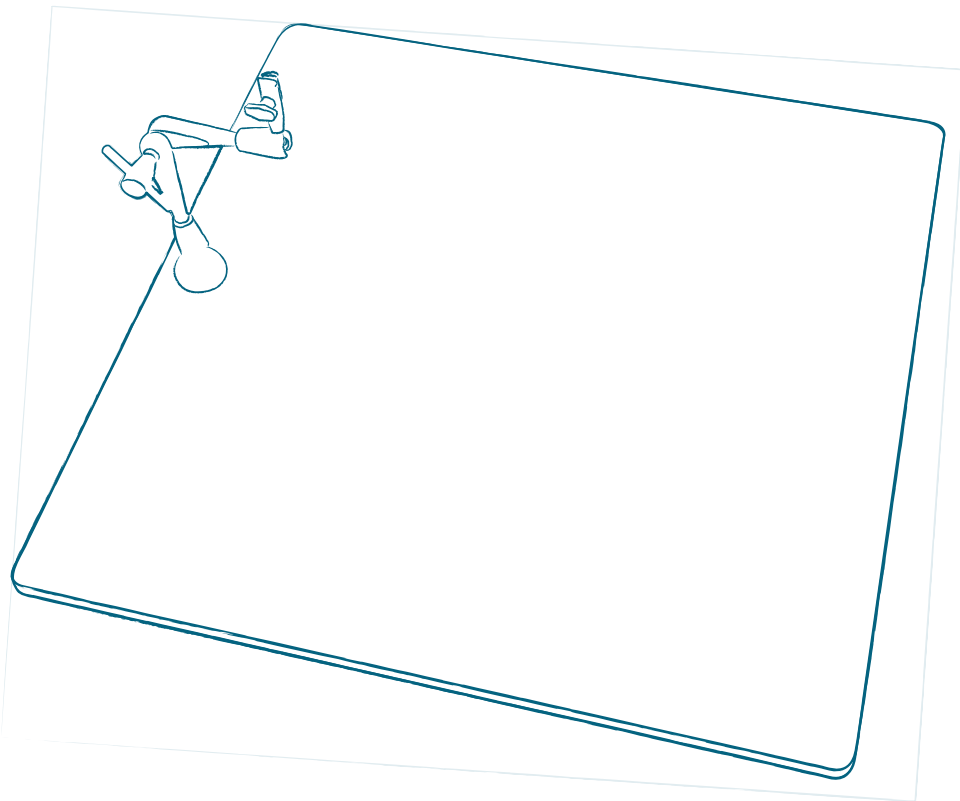


Transport and Storage Tray



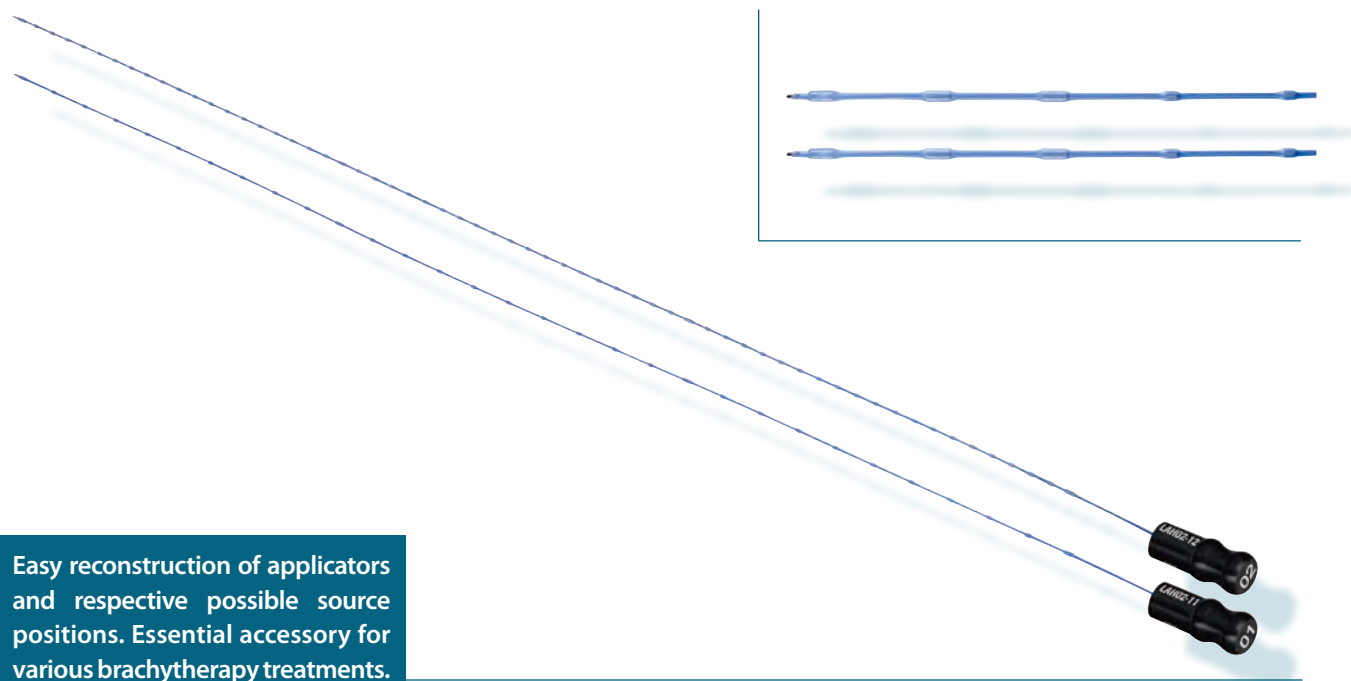
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Contributing to saving lives

Accessories



X-Ray Markers

SET0030, SET0032, SET0033



Easy reconstruction of applicators and respective possible source positions. Essential accessory for various brachytherapy treatments.

Interstitial, intraluminal, intraoperative and intracavitary brachytherapy

Unique Configuration

The X-Ray Markers are designed with a unique configuration of radiopaque tags and spacers with a length of 5 mm or 10 mm. Tags and spacers serve as a ruler to measure distances on X-ray images. With two different combinations of tags and spacers, it is possible to have two distinct rulers at the same time.

Simplified Treatment Planning

X-Ray Markers simplify treatment planning by identifying the needles and applicators and the potential source positions. The sets are essential tools for interstitial brachytherapy (SET0030) as well as for intraluminal, intraoperative and intracavitary brachytherapy treatments (SET0032, SET0033).

Different Lengths and Applications

With a length of 325 mm, the X-Ray Markers of SET0030 can be used with all Eckert & Ziegler BEBIG needles. The X-Ray Markers of SET0032, which have a length of 1430 mm, are designed to be used with the universal applicators LAA1400-RU and LAA1400-GYN. The 1230 mm long X-Ray Markers of SET0033 are intended for use with the universal applicator LLA1200-20.

Features

- Unique radiopaque tags for ease in reconstruction
- Tags and spacers serve as a ruler to measure distances on images
- Are clearly visible on radiographic imaging and reusable
- Streamline the treatment planning process

Set Content SET0030

Quantity	Item	Part number
1	X-Ray Marker for Needles, L= 325 mm, Code=01	LAH02-11
1	X-Ray Marker for Needles, L= 325 mm, Code=02	LAH02-12

Set Content SET0032

Quantity	Item	Part number
2	X-Ray Marker with Ruler, L= 1430 mm, Code=01	LLH02-11

Set Content SET0033

Quantity	Item	Part number
1	X-Ray Marker with Ruler 10:10, D = 1.2 mm, L = 1230 mm	LLH02-21
1	X-Ray Marker with Ruler 5:5, D = 1.2 mm, L = 1230 mm	LLH02-22

Required Items SET0030

Quantity	Item	Part number
1	Fixation Cap, D= 1.6 mm	LLZ10-01

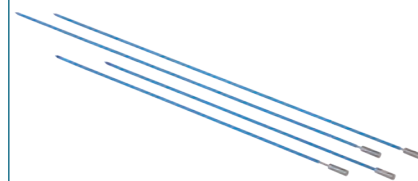
Required Items SET0032

Quantity	Item	Part number
1	Fixation Cap, D= 7.1 mm	LLZ10-03

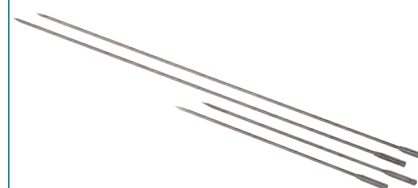
Required Items SET0033

Quantity	Item	Part number
1	Fixation Cap, D= 1.8 mm	LLZ10-02

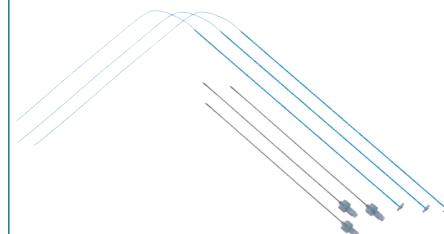
For use with Plastic Needles



For use with Steel Needles



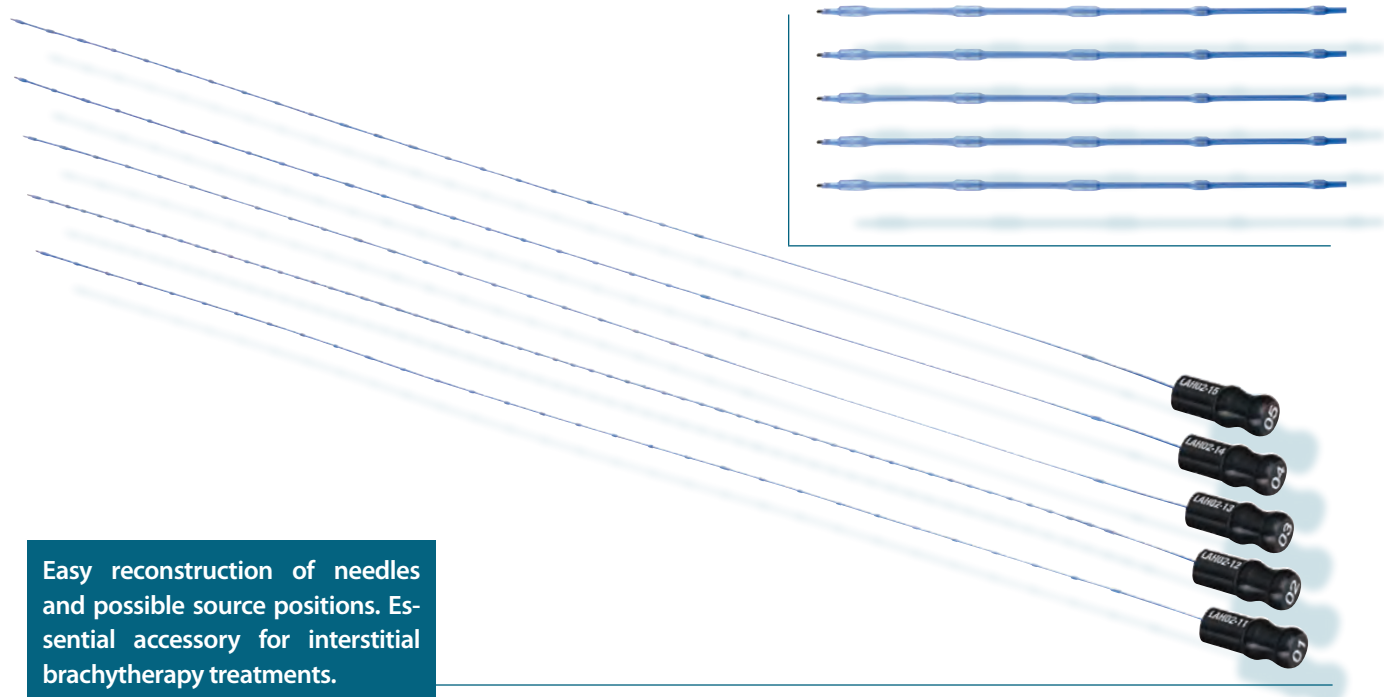
For use with Flexible Catheters



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X-Ray Markers Code 1-20

SET0034



Interstitial brachytherapy

Interstitial Needle Identification

The X-Ray Markers Code 1 - 20 are essential for the identification of needles on radiographic images. When multiple needles are implanted in a target volume, this X-Ray Marker Set makes it possible to easily distinguish each needle for treatment planning purposes.

Unique Configuration

Each X-Ray Marker is designed with its own unique configuration of radiopaque tags. Different patterns of tags and spacers allow the identification of up to 20 individual needles on the radiographic images.

Simplified Treatment Planning

Treatment planning is simplified when X-Ray Markers are used to identify the needle and potential source positions. This X-Ray Marker set is essential for identification and reconstruction of interstitial implants.

Features

- Each X-Ray Marker has a unique radiopaque tag for ease in reconstruction
- Are clearly visible on radiographic imaging and are reusable
- Streamline the treatment planning process

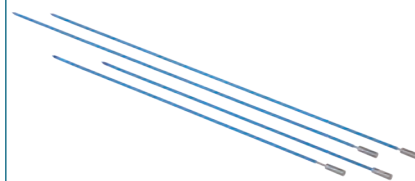
Set Content SET0034

Quantity	Item	Part number
1	X-Ray Marker for Needles, L= 325 mm, Code=01	LAH02-11
1	X-Ray Marker for Needles, L= 325 mm, Code=02	LAH02-12
1	X-Ray Marker for Needles, L= 325 mm, Code=03	LAH02-13
1	X-Ray Marker for Needles, L= 325 mm, Code=04	LAH02-14
1	X-Ray Marker for Needles, L= 325 mm, Code=05	LAH02-15
1	X-Ray Marker for Needles, L= 325 mm, Code=06	LAH02-16
1	X-Ray Marker for Needles, L= 325 mm, Code=07	LAH02-17
1	X-Ray Marker for Needles, L= 325 mm, Code=08	LAH02-18
1	X-Ray Marker for Needles, L= 325 mm, Code=09	LAH02-19
1	X-Ray Marker for Needles, L= 325 mm, Code=10	LAH02-20
1	X-Ray Marker for Needles, L= 325 mm, Code=11	LAH02-21
1	X-Ray Marker for Needles, L= 325 mm, Code=12	LAH02-22
1	X-Ray Marker for Needles, L= 325 mm, Code=13	LAH02-23
1	X-Ray Marker for Needles, L= 325 mm, Code=14	LAH02-24
1	X-Ray Marker for Needles, L= 325 mm, Code=15	LAH02-25
1	X-Ray Marker for Needles, L= 325 mm, Code=16	LAH02-26
1	X-Ray Marker for Needles, L= 325 mm, Code=17	LAH02-27
1	X-Ray Marker for Needles, L= 325 mm, Code=18	LAH02-28
1	X-Ray Marker for Needles, L= 325 mm, Code=19	LAH02-29
1	X-Ray Marker for Needles, L= 325 mm, Code=20	LAH02-30

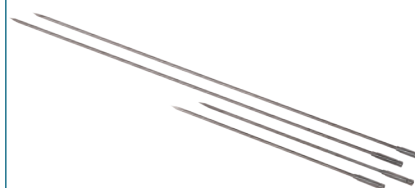
Required Items SET0034

Quantity	Item	Part number
1	Fixation Cap, D= 1.6 mm	LLZ10-01

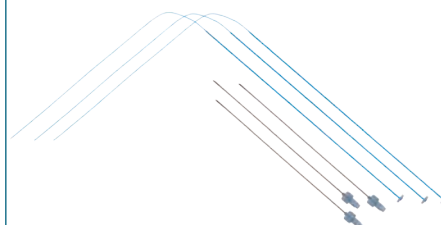
For use with Plastic Needles



For use with Steel Needles



For use with Flexible Catheters



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Applicator Clamp with Baseplate

LAZ22-01



Easy and safe fixation of intracavitary applicators for precise treatment planning in gynecological brachytherapy.

Gynecological & rectal treatments

For Gynecological Brachytherapy

The Applicator Clamp with Baseplate is made of stainless steel and white acrylic glass. It is an essential accessory for gynecological and rectal brachytherapy. This tool provides stability and immobilization of the applicator during treatment.

Easy Handling

The applicator clamp is designed for easy attachment of any gynecological applicator. The multiple joints allow the clamp to be adjusted to any position. The stainless steel applicator clamp is opened and fixed with just one handle. The baseplate provides added stability and security.

Proven Asset

The Applicator Clamp with Baseplate is a proven tool for immobilizing the applicator during gynecological brachytherapy treatment.

Features

- Compatibility with any Eckert & Ziegler BEBIG gynecological and rectal applicators
- Provides applicator stability and immobilization
- Is flexible and can be placed in any position
- Fixation of applicators is easy and adjustable

Quantity	Item	Part number
1	Applicator Clamp with Baseplate	LAZ22-01



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Reconstruction Box

LAZ11-04



Essential tool for mobile radiographic brachytherapy imaging.

For any treatment area

For Non-Isocentric Reconstruction

The Reconstruction Box is an important accessory for brachytherapy imaging supporting non-isocentric X-ray units (C-arm). The Reconstruction Box is easy to use and provides accurate implant reconstruction with semi-orthogonal films or digital images from C-arm.

Cross-Hair Markers

The Reconstruction Box consists of an acrylic frame with embedded radio-paque cross-hairs that are visible on the radiographic images. The implant can easily be reconstructed in 3D space with the treatment planning systems SagiPlan® or HDRplus.

Reliable Applicator Reconstruction

The Reconstruction Box is essential for imaging with non-isocentric C-arm units and is large enough to accommodate even corpulent patients. The box is a recommended tool for precise treatment planning and implant reconstruction.

Features

- Suitable for use in surgery when filming with a C-arm or mobile unit
- Designed for use in gynecological applications
- Essential for accurate reconstruction using non-isocentric X-ray units
- Lightweight and reusable
- Inner clearance: W = 541 mm, H = 350 mm

Quantity	Item	Part number
1	Reconstruction Box	LAZ11-04

Sterilization Boxes

LLZ05-01, LLZ06-01, LLZ07-01

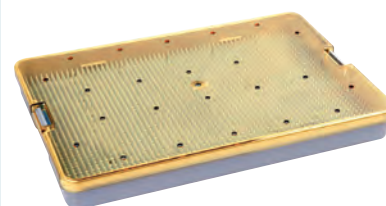


LLZ06-01

Accessory for easy and safe cleaning of applicators and small parts.



LLZ07-01



LLZ05-01/LCZ96-1522A

For Eckert & Ziegler BEBIG and Mick HDR Applicators

Durable Sterilization Tool

The Sterilization Boxes are reusable containers for applicators during steam sterilization. The boxes are available in different sizes and can be used for reusable Eckert & Ziegler BEBIG and Mick HDR Applicators. A special universal insert holds all parts of an applicator set in place and provides a good overview. The boxes are made of heavy duty plastic to assure many sterilization cycles.

Storage

The Sterilization Boxes can be used as storage container for the applicator sets. The transparent removable cover makes it possible to look into the box without opening it, which makes it easy to select the necessary items for treatment.

Improved Usability

For steam sterilization of small parts, like screws, clamps and fixation buttons, a special container is available. This small sterilization basket needs to be ordered separately.

Features

- Reusable containers for all reusable Eckert & Ziegler BEBIG applicators

Quantity	Item	Part number
1	Sterilization Box, 381 x 254 x 38 mm ¹	LLZ05-01/ LCZ96-1522A
1	Sterilization Box, 470 x 300 x 130 mm ⁴	LLZ06-01
1	Basket with lid for cleaning and sterilizing of small parts, 121 x 73 x 36 mm ⁵	LLZ07-01

¹ Manufactured by PST Plastic Sterilizing Trays Corporation

⁴ Manufactured by Gebrüder Martin GmbH & Co. KG

⁵ Manufactured by Kögel GmbH



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Wall Rack

LAZ10-01



Easy and safe storage of universal applicators and transfer tubes

For any Eckert & Ziegler BEBIG transfer tube

Simplified Storage

The Wall Rack can be used for all universal applicators and transfer tubes.

Proven Tool

It is made of powder-coated steel and white copolymer and can be mounted on any wall or side of cabinet.

Easy Handling

In each of the two turnable magazines 24 tubes can be placed while staying straight, clean and dry until next use.

Features

- Turnable magazines for all reusable Eckert & Ziegler BEBIG source guide tubes

Quantity	Item	Part number
1	Wall Rack	LAZ10-01



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Register by Product Name

Item	Part number	Page
2-Channel Ring Applicator, 60°, D = 30 mm; Type Vienna 0°	LCT43-2	A33
2-Channel Ring Applicator, 60°, D = 30 mm; Type Vienna 5°	LCT43-21	A33
Adapter for Vaginal Cylinder	LC313-22	A9
Allen Wrench (Titanium)	LCZ1205-06	A51, A52, A53
Applicator Clamp with Baseplate	LAZ22-01	A3, A5, A7, A9, A11, A17, A19, A21, A25, A27, A31, G6
Applicator Fixation for Bougie, D = 8 mm	LAZ01-08	D3
Applicator Fixation for Bougie, D = 10 mm	LAZ01-10	D3
Applicator Fixation for Bougie, D = 12 mm	LAZ01-12	D3
Basket with lid for cleaning and sterilizing of small parts, 121 x 73 x 36 mm	LLZ07-01	A53, B5, G8
Bougie for Esophagus, single use, D = 8 mm (24 Fr)	LAZ24-08	D3
Bougie for Esophagus, single use, D = 10 mm (30 Fr)	LAZ24-10	D3
Bougie for Esophagus, single use, D = 12 mm (36 Fr)	LAZ24-12	D3
Breast Template, Triple Plane, 8 mm (Paris), with Fixation Buttons	LLZ20-08	C5
Breast Template, Triple Plane, 8 mm (Paris), without Buttons	LLZ21-08	C3
Breast Template, Triple Plane, 12 mm (Paris), with Fixation Buttons	LLZ20-12	C5
Breast Template, Triple Plane, 12 mm (Paris), without Buttons	LLZ21-12	C3
Breast Template, Triple Plane, 16 mm (Paris), with Fixation Buttons	LLZ20-16	C5
Breast Template, Triple Plane, 16 mm (Paris), without Buttons	LLZ21-16	C3
Breast Template, Triple Plane, 20 mm (Paris), without Buttons	LLZ21-20	C3
Breast Template, Triple Plane, 20 mm (Paris), with Fixation Buttons	LLZ20-20	C5
Build-Up Cap, D = 5 mm	LCZ0213-63-1	A39
Build-Up Cap, D = 5 mm	LCZ0902-58	A40
Build-Up Cap, D = 7.5 mm	LCZ0213-63-2	A39
Build-Up Cap, D = 7.5 mm	LCZ0902-53	A40
Build-Up Cap, D = 25 mm	LCZ0904-02-25	A15
Build-Up Cap, D = 30 mm	LCZ0904-02-30	A15
Build-Up Cap, D = 35 mm	LCZ0904-02-35	A15
Build-Up Cap, D = 40 mm	LCZ0904-02-40	A15
Build-Up Caps, 5.0 mm x 5.0 mm, reusable, (2 pcs)	LCZ1305-01-01	A37
Build-Up Caps, 5 mm x 7.5 mm, reusable, (2 pcs)	LCZ1305-01-02	A37
Build-Up Caps, 5 mm x 10 mm, reusable, (2 pcs)	LCZ1305-01-05	A37
Build-Up Caps, 7.5 mm x 5.0 mm, reusable, (2 pcs)	LCZ1305-01-03	A37
Build-Up Caps, 7.5 mm x 7.5 mm, reusable, (2 pcs)	LCZ1305-01-04	A37
Build-Up Caps, 10 mm x 10 mm, reusable, (2 pcs)	LCZ1305-01-06	A37
Cap with Marker Ring, D = 20 mm	LCZ1503-21	F15
Cap with Marker Ring, D = 30 mm	LCZ1503-31	F15
Cap without Marker Ring, D = 20 mm	LCZ1503-22	F15
Cap without Marker Ring, D = 30 mm	LCZ1503-32	F15
Cervical Stop	LCZ0508-10	A15, A23, A29, A35, A36, A37, A39, A40, A51, A52



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Register by Product Name

Item	Part number	Page
Channel Coding for Needles and Catheters (Channel 1)	LLZ03-01	E5
Channel Coding for Needles and Catheters (Channel 2)	LLZ03-02	E5
Channel Coding for Needles and Catheters (Set for Channel 1-20)	LLZ03-21	A49, B7, B9, B11, C3, C5, E3, F3, F5, F7, F9, F11
Channel Coding for Transfer Tubes (Set for Channel 1-20)	LLZ04-01	A49, B7, B9, B11, C3, C5, E3, E5, F3, F5, F7, F9, F11
Collet Lock Knob	LCZ1004-22	A13
Collet Sleeve	LCZ1004-21	A13
Connector for Universal Applicator, D = 2 mm	LLS50	D3, D5
CT Adapter for Intrauterine Tube, 6.5 mm	LCZ08-01	A49
CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, central, L = 3 cm	LCZ1405-IU-3	A45
CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, central, L = 5 cm	LCZ1405-IU-5	A45
CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, left, L = 3 cm	LCZ1405-L-3	A45
CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, left, L = 5 cm	LCZ1405-L-5	A45
CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, right, L = 3 cm	LCZ1405-R-3	A45
CT/MR 2/3 Channel Endometrial Applicator Intrauterine Tube, right, L = 5 cm	LCZ1405-R-5	A45
CT/MR 2-Channel Ring Applicator, 30°, D = 25 mm	LCT40-1	A31
CT/MR 2-Channel Ring Applicator, 30°, D = 30 mm	LCT40-2	A31
CT/MR 2-Channel Ring Applicator, 30°, D = 35 mm	LCT40-3	A31
CT/MR 2-Channel Ring Applicator, 45°, D = 25 mm	LCT41-1	A31
CT/MR 2-Channel Ring Applicator, 45°, D = 30 mm	LCT41-2	A31
CT/MR 2-Channel Ring Applicator, 45°, D = 35 mm	LCT41-3	A31
CT/MR 2-Channel Ring Applicator, 60°, D = 25 mm	LCT42-1	A31
CT/MR 2-Channel Ring Applicator, 60°, D = 30 mm	LCT42-2	A31
CT/MR 2-Channel Ring Applicator, 60°, D = 35 mm	LCT42-3	A31
CT/MR Applicator for Portio Treatment, D = 25 mm, L = 100 mm	LCZ04-05	A11
CT/MR Applicator for Portio Treatment, D = 30 mm, L = 100 mm	LCZ04-15	A11
CT/MR Closed Cap, D = 25 mm	LCZ07-02-00	A11
CT/MR Closed Cap, D = 30 mm	LCZ07-03-00	A11
CT/MR Contour Prostate Template PPSU Body, small matrix		B3, B4
CT/MR Contour Prostate Template Titanium Insert, small matrix		B3, B4
CT/MR Contour Prostate Template, large matrix, BK, 1.65 mm, Eckert & Ziegler BEBIG	LCZ1206-02-EZ-1.65	B4
CT/MR Contour Prostate Template, large matrix, BK, 17G, Eckert & Ziegler BEBIG	LCZ1206-02-EZ-17	B4
CT/MR Contour Prostate Template, large matrix, Siemens, 1.65 mm, Eckert & Ziegler BEBIG	LCZ1206-04-EZ-1.65	B5
CT/MR Contour Prostate Template, large matrix, Siemens, 17G, Eckert & Ziegler BEBIG	LCZ1206-04-EZ-17	B5
CT/MR Contour Prostate Template, small matrix, BK, 1.65 mm, Eckert & Ziegler BEBIG	LCZ1204-02-EZ-1.65	B3
CT/MR Contour Prostate Template, small matrix, BK, 17G, Eckert & Ziegler BEBIG	LCZ1204-02-EZ-17	B3
CT/MR Contour Prostate Template, small matrix, Siemens, 1.65 mm, Eckert & Ziegler BEBIG	LCZ1204-04-EZ-1.65	B4
CT/MR Contour Prostate Template, small matrix, Siemens, 17G, Eckert & Ziegler BEBIG	LCZ1204-04-EZ-17	B4
CT/MR Fletcher Ovoid Tubes, right and left	LCT82-02	A21
CT/MR Fletcher-Suit-Delclos (FSD) Intrauterine Tube, L = 20 mm	LCZ1409-2	A23

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CT/MR Henschke Intrauterine Tube, straight	LCZ1408-S	A29
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CT/MR Intrauterine Tube for Ring Applicator, 30°, L = 60 mm	LCT40-8	A31
CT/MR Intrauterine Tube for Ring Applicator, 45°, L = 20 mm	LCT41-6	A31
CT/MR Intrauterine Tube for Ring Applicator, 45°, L = 40 mm	LCT41-7	A31
CT/MR Intrauterine Tube for Ring Applicator, 45°, L = 60 mm	LCT41-8	A31
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CT/MR Intrauterine Tube for Ring Applicator, 60°, L = 40 mm	LCT42-7	A31, A33
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Middle Cylinder Segments, D = 3.5 cm, (2 pcs)	LCZ0804-05-3.5	A13
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