
 SVAS BIOSANA		TECHNICAL DATA SHEET		 ITALCERT SISTEMA DI GESTIONE CERTIFICATO UNI EN ISO 9001 UNI EN ISO 13485
Date of Issue	Update		ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date	Index		
	30/11/16	0		

DATA SHEET Information

Ref. **2SVAST020718**

Tray Set

ANGIOGRAPHY RADIAL KIT



Description

The *Angiography Radial Kit* is a sterile, single-use operating field procedural pack consisting of devices for performing angiographic procedures. The kits help to increase productivity in the operating room by shortening preparation time of the operating field and standardising the materials needed for surgery.

Q.TA'	COMPONENTS
1	Trilaminare drape 90x150 cm
1	Laminare absorbent pad 75x90 cm
1	Bilaminare drape 150x200 cm
1	Trilaminare coronary angiography drape 240x350 cm
1	PE bag with elastic band 160x100 cm
2	Instruments cover diam. 80 cm
4	Single-use paper towel 40x50 cm
2	Reinforced surgical gown size XXL
2	Instruments cover diam. 140 cm
2	Surgical gloves No. 7
1	Surgical gloves No. 8
1	Transparent bowl 120 ml
1	Bowl 1000 ml
1	Transparent lid for tray
1	Bowl 250 ml
1	Thin Tip Clamp 14 cm
1	Iris Scissor str 14 cm
1	Bowl 3000 ml
1	Angiographic syringe 12 ml
1	Needle 18 G
2	Needle 21 G
1	Needle 22 G
1	Syringe 20 ml LL
1	Syringe 10 ml LL
1	Syringe 3 ml LL
1	Syringe 5 ml LL
1	Scalpel No. 11
3	Gauze swabs 10x10 cm 16 ply (10 pcs)
1	Blue graded tray

Sterile components contained in the kit:

1 | J guide for angiographic catheter 3 mm 0.035" 150 PTFE

 SVAS BIOSANA		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485
Date of Issue	Update		Tray Set ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date	Index		CE 0426
	30/11/16	0		

MATERIAL SPECIFICATIONS

All devices are manufactured from non-toxic and non-pyrogenic materials prescribed and approved by the official pharmacopoeia.

TRILAMINATE DRAPE 90X150 CM:

Tri-ply nonwoven sheet (**TABLE 1**) 90x150 cm laminated in one piece of 68.8 g/sqm by *Hot Melt Technology*. Excellent tear and tensile strength, consisting of a TNT layer with high absorbency capacity, a layer made of waterproof Polyethylene and a PP layer. Excluding weaving, knitting, stitching and traditional felting, as well as paper products, in compliance with the provisions of Directive 93/42/EEC (Legislative Decree no. 46/1997) on medical devices. If several sheets are to be joined, this will be done by continuous welding along the entire length to ensure the continuity of the antibacterial barrier.

TECHNICAL CHARACTERISTICS:

1. **Drapability:** highly drapable and soft drape, such that it conforms naturally to the patients' body; high resistance to tearing;
2. **Absorbent capacity:** The sheet has one side with high absorbency 290 g/sqm (EN 13795), This feature ensures the absorption of liquids during interventions and reduces the cleaning time in the operating theatre;
3. **Resistance in wet conditions:** the sheet ensures maximum sterility even for prolonged wet operations (EN13795);
4. **Impermeability and resistance to liquid penetration:** the polyethylene layer guarantees impermeability and resistance to the passage of liquids, such that the sheet is totally impermeable, water and alcohol repellent, creating an antimicrobial barrier (EN 13795-3);
5. **NO linting:** No transmission of microorganisms to the surgical wound. The risk of inflammatory processes is avoided;
6. **No release of particles or dust;**
7. **Folded in accordance with correct aseptic technique, it** avoids contamination when creating the operating field and covering the patient, which can also be performed by a single operator. The drape is provided with graphic indications that allow for correct positioning of the drape as well as easy removal of the *liner*, hence easy application;
8. **It does not contain any substance included in the ECHA SVHC (Substances of Very High Concern) list in an amount exceeding 0.1% by weight** (referring to Art. 57 Reg. 1907/2006 REACH and subsequent amendments).



		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485 CE 0426
Date of Issue	Update		Tray Set ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date	Index		
	30/11/16	0		

Table 1 - *Technical characteristics of three-ply nonwoven*



FEATURE	UNITS OF MEASUREMENT	METHOD	VALUE ^[1]	EN 13795-3 ^[2]
GRAMMING	g/m ²	M.I.P.1	68.8 +/- 10%	NOT REQUIRED
ABSORBANCE	g/m ²	M.I.A.1	290 +/- 10%	NOT REQUIRED
RESISTANCE TO MICROBIAL PENETRATION DRY	Log ₁₀ (CFU)	ISO 22612	ABSENCE OF PENETRATION	< = 2 ^[3]
RESISTANCE TO WET MICROBIAL PENETRATION	BI	ISO 22610	6	6
MICROBIAL CLEANING	Log ₁₀ (CFU/100 cm ²)	EN 1174-2	0.9	< 2
MICROBIAL CLEANLINESS UNDER SPECIAL CONDITIONS	Log ₁₀ (PM)	ISO 9073-10	1.08	< 3.5
LINTING	Log ₁₀ (Linting)	ISO 9073-10	1.11	< 4
RESISTANCE TO LIQUID PENETRATION	cm H O ₂	EN 20811	139	> = 100
DRY BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	125	> = 40
WET BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	113	> = 40
DRY TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	72.6	> = 20
WET TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	53.7	> = 20
COLOUR			LIGHT BLUE	

FEATURES	METHOD	RESULT
CYTOXICITY	ISO 10993	Negative
PRESENCE OF LATEX		LATEX FREE
PRESENCE OF PHTHALATES		FTALATI FREE
FIRE REACTION CLASS		I
ANTI-RFLECT		SI
ANTISTATICITY		SI

[1] Value obtained after sterilisation, except for the microbial cleanliness value

[2] Requirements referring to high performance in critical product areas.

[3] Requirements referring to high performance in the less critical areas of the product.

 SVAS BIOSANA		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485
Date of Issue	Update		<h2 style="margin: 0;">Tray Set</h2> <p style="margin: 0;">ANGIOGRAPHY RADIAL KIT</p>	
30/11/2016	Date	Index		CE 0426
	30/11/16	0		

LAMINATE ABSORBENT PAD 75X90 CM:

Absorbent non-woven fabric (**TABLE 2**) 75x90 cm laminated in one piece of 121 g/sqm by *Hot Melt Technology*. Excellent tear and tensile strength, consisting of a highly absorbent TNT layer, a waterproof polyethylene layer and a white cellulose middle layer. Excluding weaving, knitting, stitching and traditional felting, as well as paper products, in compliance with the provisions of Directive 93/42/EEC (Legislative Decree no. 46/1997) on medical devices. If several sheets are to be joined, this will be done by continuous welding along the entire length to ensure the continuity of the antibacterial barrier.



		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485 CE 0426
Date of Issue	Update		Tray Set ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date	Index		
	30/11/16	0		

Table 2 - *Technical characteristics of absorbent TNT*



FEATURE	UNITS OF MEASUREMENT	METHOD	VALUE ^[1]	EN 13795-3 ^[2]
GRAMMING	g/m ²	M.I.P.1	121 +/- 10%	NOT REQUIRED
ABSORBANCE	g/m ²	M.I.A.1	950 +/- 10%	NOT REQUIRED
RESISTANCE TO MICROBIAL PENETRATION DRY	Log ₁₀ (CFU)	ISO 22612	ABSENCE OF PENETRATION	< = 2 ^[3]
RESISTANCE TO WET MICROBIAL PENETRATION	BI	ISO 22610	6	6
MICROBIAL CLEANING	Log ₁₀ (CFU/100 cm ²)	EN 1174-2	0.9	< 2
MICROBIAL CLEANLINESS UNDER SPECIAL CONDITIONS	Log ₁₀ (PM)	ISO 9073-10	1.08	< 3.5
LINTING	Log ₁₀ (Linting)	ISO 9073-10	1.11	< 4
RESISTANCE TO LIQUID PENETRATION	cm H O ₂	EN 20811	139	> = 100
DRY BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	125	> = 40
WET BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	113	> = 40
DRY TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	67.1	> = 20
WET TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	40.4	> = 20
COLOUR			LIGHT BLUE	

FEATURES	METHOD	RESULT
CYTOXICITY	ISO 10993	Negative
PRESENCE OF LATEX		LATEX FREE
PRESENCE OF PHTHALATES		FTALATI FREE
FIRE REACTION CLASS		I
ANTI-RFLECT		SI
ANTISTATICITY		SI

[1] Value obtained after sterilisation, except for the microbial cleanliness value

[2] Requirements referring to high performance in critical product areas.

[3] Requirements referring to high performance in the less critical areas of the product.

		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485
		Tray Set ANGIOGRAPHY RADIAL KIT		
Date of Issue	Update		CE 0426	
30/11/2016	Date 30/11/16	Index 0		

BILAMINATE DRAPE 150X200 CM:

TNT+PE sheet (**TABLE 3**) 150x200 cm laminated in one piece of 54 g/sqm by *Hot Melt Technology*. Excellent resistance to tearing and traction, consisting of a layer of TNT with high absorbent capacity and a layer made of waterproof polyethylene coextruded with TNT, excluding weaving, knitting, stitching and traditional felting, as well as paper products, in compliance with the provisions of Directive 93/42/EEC (Legislative Decree no. 46/1997) on medical devices. If several sheets are to be joined, this will be done by continuous welding along the entire length to ensure the continuity of the antibacterial barrier.

TECHNICAL CHARACTERISTICS:

1. **Drapability:** highly drapable and soft drape, such that it conforms naturally to the patients' body; high resistance to tearing;
2. **Absorbent capacity:** The sheet has one side with high absorbency 243 g/sqm (EN 13795), This feature ensures the absorption of liquids during interventions and reduces the cleaning time in the operating theatre;
3. **Resistance in wet conditions:** the sheet ensures maximum sterility even for prolonged wet operations (EN13795);
4. **Impermeability** and resistance to liquid **penetration:** the polyethylene layer guarantees impermeability and resistance to the passage of liquids, such that the sheet is totally impermeable, water and alcohol repellent, creating an antimicrobial barrier (EN 13795-3);
5. **NO linting:** No transmission of microorganisms to the surgical wound. The risk of inflammatory processes is avoided;
6. **No release of particles or dust;**
7. **Folded in accordance with correct aseptic technique, it** avoids contamination when creating the operating field and covering the patient, which can also be performed by a single operator. The drape is provided with graphic indications that allow for correct positioning of the drape as well as easy removal of the *liner*, hence easy application;
8. **It does not contain any substance included in the ECHA SVHC (Substances of Very High Concern) list in an amount exceeding 0.1% by weight** (referring to Art. 57 Reg. 1907/2006 REACH and subsequent amendments).



		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485
		Tray Set		
Date of Issue	Update		ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date	Index	CE 0426	
	30/11/16	0		

Table 3 - *Technical characteristics of TNT+PE*



FEATURE	UNITS OF MEASUREMENT	METHOD	VALUE [1]	EN 13795-3 [2]
GRAMMING	g/m ²	M.I.P.1	54 +/- 10%	NOT REQUIRED
ABSORBANCE	g/m ²	M.I.A.1	243 +/- 10%	NOT REQUIRED
RESISTANCE TO MICROBIAL PENETRATION DRY	Log ₁₀ (CFU)	ISO 22612	ABSENCE OF PENETRATION	≤ 2 [3]
RESISTANCE TO WET MICROBIAL PENETRATION	BI	ISO 22610	6	6
MICROBIAL CLEANING	Log ₁₀ (CFU/100cm ²)	EN 1174-2	0.9	< 2
MICROBIAL CLEANLINESS UNDER SPECIAL CONDITIONS	Log ₁₀ (PM)	ISO 9073-10	1.08	< 3.5
LINTING	Log ₁₀ (Linting)	ISO 9073-10	1.11	< 4
RESISTANCE TO LIQUID PENETRATION	cm H ₂ O	EN 20811	139	≥ 100
DRY BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	125	≥ 40
WET BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	113	≥ 40
TENSILE STRENGTH DRY	N/50 mm	EN ISO 29073-3	49	≥ 20
WET TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	31.5	≥ 20
COLOUR			LIGHT BLUE	

FEATURES	METHOD	RESULT
CYTOXICITY	ISO 10993	Negative
PRESENCE OF LATEX		LATEX FREE
PRESENCE OF PHTHALATES		FTALATI FREE
FIRE REACTION CLASS		I
ANTI-REFLECT		SI
ANTISTATICITY		SI

[1] Value obtained after sterilisation, except for the microbial cleanliness value

[2] Requirements referring to high performance in critical product areas.

[3] Requirements referring to high performance in the less critical areas of the product.

		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485
Date of Issue	Update		CE 0426	
30/11/2016	Date	Index		0

TRILAMINATE CORONARY ANGIOGRAPHY DRAPE 240X350 CM:

Angiography drape 240X350 cm in triacoupled TNT, waterproof and absorbent for total and abundant patient coverage. There are two femoral holes with incision film and two radial adhesive medical grade holes surrounded by absorbent reinforcement. At the end of the drape there are two transparent PE bands to control the bed and X-ray equipment.

TECHNICAL CHARACTERISTICS:

1. **Adhesive hold:** tested hypoallergenic and liquid-resistant adhesive, it guarantees a high degree of hold with low probability of wrinkling even during prolonged interventions;
2. **Easy positioning:** the drape is highly drapable and soft, so that it conforms to the patients' body and makes positioning quick and easy;
3. **Drability:** highly drapable and soft drape, such that it conforms naturally to the patients' body; high resistance to tearing;
4. **Absorbent capacity:** The sheet has one side with high absorbency 290 g/sqm (EN 13795). This characteristic guarantees the absorption of liquids during interventions and reduces the cleaning time in the operating theatre;
5. **Resistance in wet conditions:** the sheet ensures maximum sterility even for prolonged wet operations (EN13795);
6. **Impermeability and resistance to liquid penetration:** the polyethylene layer guarantees impermeability and resistance to the passage of liquids, such that the sheet is totally impermeable, repellent to water and alcohol, creating an antimicrobial barrier (EN 13795);
7. **Antistaticity:** the sheet has an antistatic treatment that prevents the build-up of electrical charges, which eliminates any inconvenience related to the presence of accumulated charge;
8. **NO linting:** No transmission of microorganisms to the surgical wound. The risk of inflammatory processes is avoided;
9. **Bending in accordance with correct aseptic technique, avoiding contamination during manoeuvring.**

DIMENSIONS:

- Three-ply non-woven cloth (**TABLE 4**) 100x350 cm;
- Two transparent PE sidebands (**TABLE 5**) 70x350 cm;
- Two holes with incision film (**TABLE 6**) for femoral access 12 cm diameter drilled 6 cm;
- Two holes with film incision (**TABLE 6**) for radial access 10 cm diameter drilled 6 cm;
- Absorbent TNT reinforcement area (**TABLE 7**).



		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485 CE 0426
Date of Issue	Update		Tray Set ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date	Index		
	30/11/16	0		

Table 4 - *Technical characteristics of three-ply nonwoven*

FEATURE	UNITS OF MEASUREMENT	METHOD	VALUE [1]	EN 13795-3 [2]
GRAMMING	g/m ²	M.I.P.1	68.8 +/- 10%	NOT REQUIRED
ABSORBANCE	g/m ²	M.I.A.1	290 +/- 10%	NOT REQUIRED
RESISTANCE TO MICROBIAL PENETRATION DRY	Log ₁₀ (CFU)	ISO 22612	ABSENCE OF PENETRATION	< = 2 [3]
RESISTANCE TO WET MICROBIAL PENETRATION	BI	ISO 22610	6	6
MICROBIAL CLEANING	Log ₁₀ (CFU/100 cm ²)	EN 1174-2	0.9	< 2
MICROBIAL CLEANLINESS UNDER SPECIAL CONDITIONS	Log ₁₀ (PM)	ISO 9073-10	1.08	< 3.5
LINTING	Log ₁₀ (Linting)	ISO 9073-10	1.11	< 4
RESISTANCE TO LIQUID PENETRATION	cm H O ₂	EN 20811	139	> = 100
DRY BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	125	> = 40
WET BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	113	> = 40
DRY TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	72.6	> = 20
WET TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	53.7	> = 20
COLOUR			LIGHT BLUE	

FEATURES	METHOD	RESULT
CYTOXICITY	ISO 10993	Negative
PRESENCE OF LATEX		LATEX FREE
PRESENCE OF PHTHALATES		FTALATI FREE
FIRE REACTION CLASS		I
ANTI-RFLECT		SI
ANTISTATICITY		SI

[1] Value obtained after sterilisation, except for the microbial cleanliness value

[2] Requirements referring to high performance in critical product areas.

[3] Requirements referring to high performance in the less critical areas of the product.



		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485 CE 0426
Date of Issue	Update		Tray Set ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date 30/11/16	Index 0		

Table 5 - *Technical characteristics of LDPE Polyethylene*

PROPERTIES	UNITS OF MEASUREMENT	TEST METHOD	NOMINAL VALUES	TOLERANCES
DENSITY	g/cm ³	INTERNAL METHOD	0.9220	
THICKNESS	µm	ASTM D374	50	± 5%
MODULUS OF ELASTICITY MD	Mpa	ASTM D882-02	200	± 10%
ELASTIC MODULUS TD	Mpa	ASTM D882-02	220	± 10%
YIELD STRENGTH TD	Mpa	ASTM D882-02	8	± 10%
MAXIMUM LOAD MD	Mpa	ASTM D882-02	19	± 10%
MAXIMUM TD LOAD	Mpa	ASTM D882-02	17	± 10%
ELONGATION AT BREAK MD	%	ASTM D882-02	350	± 10%
ELONGATION AT BREAK TD	%	ASTM D882-02	>550	/
COLOUR			NEUTRAL	

Table 6 - *Technical characteristics of the INCISION FILM*

LINER	135 G WHITE ONE-SIDE COATED PAPER
SUPPORT	25 MICRON PU FILM PROTECTED WITH PE COVER
ADHESIVE	ACRYLIC (PURE ACRYLIC POLYMERS IN WATER DISPERSION) HYPO-ALLERGENIC SELF-CROSSLINKING AGENT



		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485
		Tray Set		
Date of Issue	Update		ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date	Index	CE 0426	
	30/11/16	0		

Table 7 - Technical characteristics of the ABSORBENT REINFORCEMENT

FEATURE	UNITS OF MEASUREMENT	METHOD	VALUE ^[1]	EN 13795-3 ^[2]
GRAMMING	g/m ²	M.I.P.1	121 +/- 10%	NOT REQUIRED
ABSORBANCE	g/m ²	M.I.A.1	950 +/- 10%	NOT REQUIRED
RESISTANCE TO MICROBIAL PENETRATION DRY	Log ₁₀ (CFU)	ISO 22612	ABSENCE OF PENETRATION	< = 2 ^[3]
RESISTANCE TO WET MICROBIAL PENETRATION	BI	ISO 22610	6	6
MICROBIAL CLEANING	Log ₁₀ (CFU/100 cm ²)	EN 1174-2	0.9	< 2
MICROBIAL CLEANLINESS UNDER SPECIAL CONDITIONS	Log ₁₀ (PM)	ISO 9073-10	1.08	< 3.5
LINTING	Log ₁₀ (Linting)	ISO 9073-10	1.11	< 4
RESISTANCE TO LIQUID PENETRATION	cm H O ₂	EN 20811	139	> = 100
DRY BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	125	> = 40
WET BURST PRESSURE RESISTANCE	kPa	ISO 13938-1	113	> = 40
DRY TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	67.1	> = 20
WET TENSILE STRENGTH	N/50 mm	EN ISO 29073-3	40.4	> = 20
COLOUR			LIGHT BLUE	

FEATURES	METHOD	RESULT
CYTOXICITY	ISO 10993	Negative
PRESENCE OF LATEX		LATEX FREE
PRESENCE OF PHTHALATES		FTALATI FREE
FIRE REACTION CLASS		I
ANTI-RFLECT		SI
ANTISTATICITY		SI

[1] Value obtained after sterilisation, except for the microbial cleanliness value



[2] Requirements referring to high performance in critical product areas.

[3] Requirements referring to high performance in the less critical areas of the product.

INSTRUMENTS COVER:

Transparent polyethylene covering system (**TABLE 8**) **designed to be ready for use** and to give maximum flexibility during preparation; intended for covering equipment in the operating theatre in order to protect it from accidental contact with liquids and to maintain the sterile field.



- PE bag with elastic band 160x100 cm;

		TECHNICAL DATA SHEET		 SISTEMA DI GESTIONE CERTIFICATO ITALCERT UNI EN ISO 9001 UNI EN ISO 13485
		Tray Set		
Date of Issue	Update		ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date	Index		
	30/11/16	0		

- ❑ 80 cm diameter instrument cover in transparent PE with elastic band;
- ❑ 140 cm diameter instrument cover in transparent PE with elastic band.

Table 8 - *Technical characteristics of LDPE Polyethylene*

PROPERTIES	UNITS OF MEASUREMENT	TEST METHOD	NOMINAL VALUES	TOLERANCES
DENSITY	g/cm ³	INTERNAL METHOD	0.9220	
THICKNESS	µm	ASTM D374	50	± 5%
MODULUS OF ELASTICITY MD	Mpa	ASTM D882-02	200	± 10%
ELASTIC MODULUS TD	Mpa	ASTM D882-02	220	± 10%
YIELD STRENGTH TD	Mpa	ASTM D882-02	8	± 10%
MAXIMUM LOAD MD	Mpa	ASTM D882-02	19	± 10%
MAXIMUM TD LOAD	Mpa	ASTM D882-02	17	± 10%
ELONGATION AT BREAK MD	%	ASTM D882-02	350	± 10%
ELONGATION AT BREAK TD	%	ASTM D882-02	>550	/
COLOUR			NEUTRAL	

 SVAS BIOSANA		TECHNICAL DATA SHEET		 ITALCERT SISTEMA DI GESTIONE CERTIFICATO UNI EN ISO 9001 UNI EN ISO 13485
Date of Issue	Update		CE 0426	
30/11/2016	Date	Index		
	30/11/16	0		

SINGLE-USE PAPER TOWEL 40X50 CM:

A towel made of high-quality dry paper with double S-embossing, which gives it a high absorbency capacity of up to 6 times its weight.

Resistant, practical and hygienic. Its suitability for skin contact makes it suitable for use in healthcare facilities, both for cleaning patients and for cleansing all kinds of surfaces.

REINFORCED SURGICAL GOWN SIZE XXL:

Surgical gown in 40 g/m 'SMS' triple-layer polypropylene non-woven fabric² **(TABLE 9)** water-repellent, breathable and antistatic. Reinforced at the front and on the sleeves by means of antistatic plastic laminates applied without stitching; body made in one piece, without vertical and/or horizontal stitching; back wallet fastening with 4 TNT laces fixed to the body of the gown by seamless heat-sealing and anti-pollution tag; elasticised cotton knit cuffs; adjustable neck fastening with Velcro; no. 2 hand towels.

Each gown is individually bagged.



 SVAS BIOSANA		TECHNICAL DATA SHEET		 ITALCERT SISTEMA DI GESTIONE CERTIFICATO UNI EN ISO 9001 UNI EN ISO 13485 CE 0426
Date of Issue	Update		Tray Set ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date 30/11/16	Index 0		



Table 9 - *Technical characteristics of polypropylene three-layer TNT 'SMS*

PROPERTIES	UNITS OF MEASUREMENT	VALUE	TEST METHOD
THICKNESS	mm	0.40	ASTM D 3776
DRY TENSILE STRENGTH MD	N	54	EN29073-3
DRY TENSILE STRENGTH CD	N	50	EN29073-3
TENSILE STRENGTH A WET MD	N	50	EN29073-3
TENSILE STRENGTH WET CD	N	49	EN29073-3
TEAR RESISTANCE MD	N	48	EN29073-4
TEAR RESISTANCE CD	N	52	EN29073-4
DRY BURST PRESSURE	KPa	210 ÷ 230	EN13938-1
WET BURST PRESSURE	KPa	180 ÷ 220	EN13938-1
CLEANING - CONTAMINATING PARTICLES	log media	3.4	ISO9073-10
LIQUID PENETRATION RESISTANCE	cm	11	EN20811
RESISTANCE PENETR. MICROBIC DRY	log media	2	EN22612
RESISTANCE PENETR. MICROBIC WET	IB	4.5	EN22610
LINTING - PARTICLE RELEASE	log media	3.9	ISO9073-10
DETERMINATION LIQUID CONTROL	%	41	UNI8279
FIRE RESISTANCE CLASS		I	

SURGICAL GLOVES:

Latex glove for exploration and protection, single-use, ambidextrous, micro-roughened surface for easy donning, good protection against chemicals, perfectly adapted to the hand.

- Surgical gloves No. 7;
- Surgical gloves No. 8.

 SVAS BIOSANA		TECHNICAL DATA SHEET		 ITALCERT SISTEMA DI GESTIONE CERTIFICATO UNI EN ISO 9001 UNI EN ISO 13485 CE 0426
Date of Issue	Update		Tray Set ANGIOGRAPHY RADIAL KIT	
30/11/2016	Date 30/11/16	Index 0		

GRADUATED POLYPROPYLENE BOWLS:

Bowls made of polypropylene, a durable and easy-to-clean material.

- Transparent bowl 120 ml;
- Bowl 1000 ml;
- Bowl 250 ml;
- Bowl 3000 ml;
- Blue graded tray.

TRANSPARENT LID FOR TRAY:

Thermoformed lid diameter 170 mm 450 my.

THIN TIP CLAMP 14 CM:

AISI-410 stainless steel pliers (**TABLE 10**). Length 14 cm.

Table 10 - Technical characteristics of surgical instruments Pliers

DESCRIPTION	CARBON	MAGNESIA	PHOSPHORUS	SULPHUR	SILICON	CHROME
AISI 410	0.150	1.00	0.040	0.030	1.00	12.50

IRIS SCISSOR STR 14 CM:

AISI-420 stainless steel scissors (**TABLE 11**). Length 14 cm.

Table 11 - Technical characteristics of surgical instruments SCISSORS

DESCRIPTION	CARBON	MAGNESIA	PHOSPHORUS	SULPHUR	SILICON	CHROME
AISI 420	0.250	1.00	0.040	0.030	1.00	13.00



ANGIOGRAPHIC SYRINGE 12 ML:

12 ml polycarbonate angiography syringe luer lock cone, transparent with rubber piston seals, large support surface for easy aspiration and injection.

NEEDLES:

Triple sharpened hypodermic needle in AISI 304 stainless steel, non-toxic and apyrogenic, medical grade polypropylene barrel, transparent polypropylene needle cover.

- Aug 18 G;
- Aug 21 G;
- Aug 22 G.

 SVAS BIOSANA		TECHNICAL DATA SHEET		 ITALCERT SISTEMA DI GESTIONE CERTIFICATO UNI EN ISO 9001 UNI EN ISO 13485
Date of Issue	Update		CE 0426	
30/11/2016	Date	Index		0

SYRINGE:

Syringes with non-toxic and non-pyrogenic polypropylene cylinder equipped with a stopper that prevents the piston from falling out. Polypropylene piston, medical rubber plunger (latex free).

- ❑ Syringe 20 ml LL;
- ❑ Syringe 10 ml LL;
- ❑ Syringe 3 ml LL;
- ❑ Syringe 5 ml LL.

SCALPEL NO. 11:



Disposable scalpel Fig. 11 with plastic handle for medical use and blade protection. Stainless steel blade.

GAUZE SWABS 10X10 CM 16 PLY (10 PCS):

Medical Device in compliance with Annex IX of Directive 93/42/EEC as amended.

The gauze pads are made of pure cotton fibres (100 % cotton in accordance with Directive 96/74/EC transposed into Italian law by Legislative Decree 194/1999) of the highest quality, pure white, with a regular, non-skewed weave. Each fibre has a flattened tubular shape, thick and rounded walls, and consists exclusively of typical cotton fibres approximately 4 cm long. Fray-free, not frayed by bleaching and dried by passing through a calender.

The gauze tablets are packaged in bags of 10.



 SVAS BIOSANA		TECHNICAL DATA SHEET		 ITALCERT SISTEMA DI GESTIONE CERTIFICATO UNI EN ISO 9001 UNI EN ISO 13485
Date of Issue	Update		CE 0426	
30/11/2016	Date	Index		30/11/16 0

STERILE CONTENTS IN THE KIT:

J GUIDE FOR ANGIOGRAPHIC CATHETER 3 MM 0.035" 150 PTFE:

0.035" guide, consisting of a stainless steel core with PTFE coating designed to minimise friction and aid tracking. J-tip with 3 mm radius. Guide length 150 cm.

Medical Device Class: III
RDM: 1913103/R
CND: C04020202

 SVAS BIOSANA		TECHNICAL DATA SHEET		 ITALCERT SISTEMA DI GESTIONE CERTIFICATO UNI EN ISO 9001 UNI EN ISO 13485
Date of Issue	Update		CE 0426	
30/11/2016	Date	Index		
	30/11/16	0		

PACKAGING

The kit is packaged according to UNI EN ISO 11607 reference standards.

PRIMARY PACKAGING

The ready-to-use pack consists of a paper/plastic pouch with Tyvek insert suitable for sterilisation, hermetically sealed. Quantity: 1 kit per pouch.

The label on the packaging presents all the information and features necessary for identification of the device, and traceability is ensured by two detachable adhesive daughter labels.

THE FOLLOWING INDICATIONS APPEAR ON THE PRIMARY PACKAGING:



1. Trade name;
2. Product code;
3. Lot number;
4. Description of the composition of the 'Tray Set' with measurements, dimensions and length (where applicable);
5. Date of Manufacture;
6. Expiry date;
7. Method of sterilisation;
8. Disposable and CE product symbol;
9. Name and address of the manufacturer;

SECONDARY PACKAGING

Sturdy and resistant cardboard box for transport and possible storage, dimensions 79 x 39 x 40 cm type kmfmk/44244/eb grammage 1590 g/sqm suitable for sterilisation containing 4 kits per pack.

THE FOLLOWING INDICATIONS APPEAR ON THE PACKAGING:

10. Trade name;
11. Product code;
12. Lot number;
13. Description of the 'Tray Set';
14. Number of pieces contained;
15. Date of Manufacture;
16. Expiry date;
17. Method of sterilisation;
18. Disposable and CE product symbol;
19. Name and address of the manufacturer.

		TECHNICAL DATA SHEET		
Date of Issue	Update		CE 0426	
30/11/2016	Date	Index		30/11/16

PRESERVATION

The product should be stored at room temperature and away from heat sources and direct exposure to sunlight.

PRODUCTION

The 'Tray Set' is manufactured in the production workshop of SVAS BIOSANA S.p.a. certified according to UNI EN ISO 9001 and UNI EN ISO 13485.

Production is carried out according to validated standard methods in compliance with the express provisions of Directive 93/42/EC, in the absence of allergy-inducing elements.

The device is disposable.

STERILISATION

The kit is sterilised by ethylene oxide according to a validated cycle that does not alter the characteristics of the components in accordance with the harmonised UNI EN ISO 11135-1 standards.

Sterility is valid for 5 years with an unopened package.

DISPOSAL

Follow the legal regulations on the disposal of hospital waste.

The Components of the Device:

- **Ensure minimal environmental impact with the possibility of disposal by incineration without the formation and release of toxic residues**
- **They are free of dyes classified as sensitisers, allergens, carcinogens, mutagens or toxic to reproduction**
- **They are free of chlorinated components**
- **They do not contain the following flame retardants: PBB (polybrominated biphenyl) CAS No. 59536-65-1; TRIS (tri (2,3-dibromopropyl) phosphate) CAS No. 126-72-7**
- **The primary packaging used complies with UNI EN 13431:2005 - Packaging - Requirements for packaging recoverable in the form of energy recovery including specification of the minimum lower calorific value, having a lower calorific value greater than or equal to 5 MJ/kg**
- **The secondary packaging used complies with the essential requirements of Annex F of Legislative Decree no. 152 of 3 April 2006, as amended and supplemented, containing Environmental Regulations and with UNI EN 13427:2005 - Packaging - Requirements for the use of European standards in the field of packaging and packaging waste.**

CLASSIFICATION

Class **II/A** sterile according to Annex IX relating to Legislative Decree No. 46 of 24/02/1997 concerning Medical Devices as amended.

The class refers to the most critical device in the kit.

CND number T0202

RDM Number **245357/R**

ANNOTATIONS

THE DEVICE COMPLIES WITH CURRENT LEGAL PROVISIONS ON SAFETY AND QUALITY.