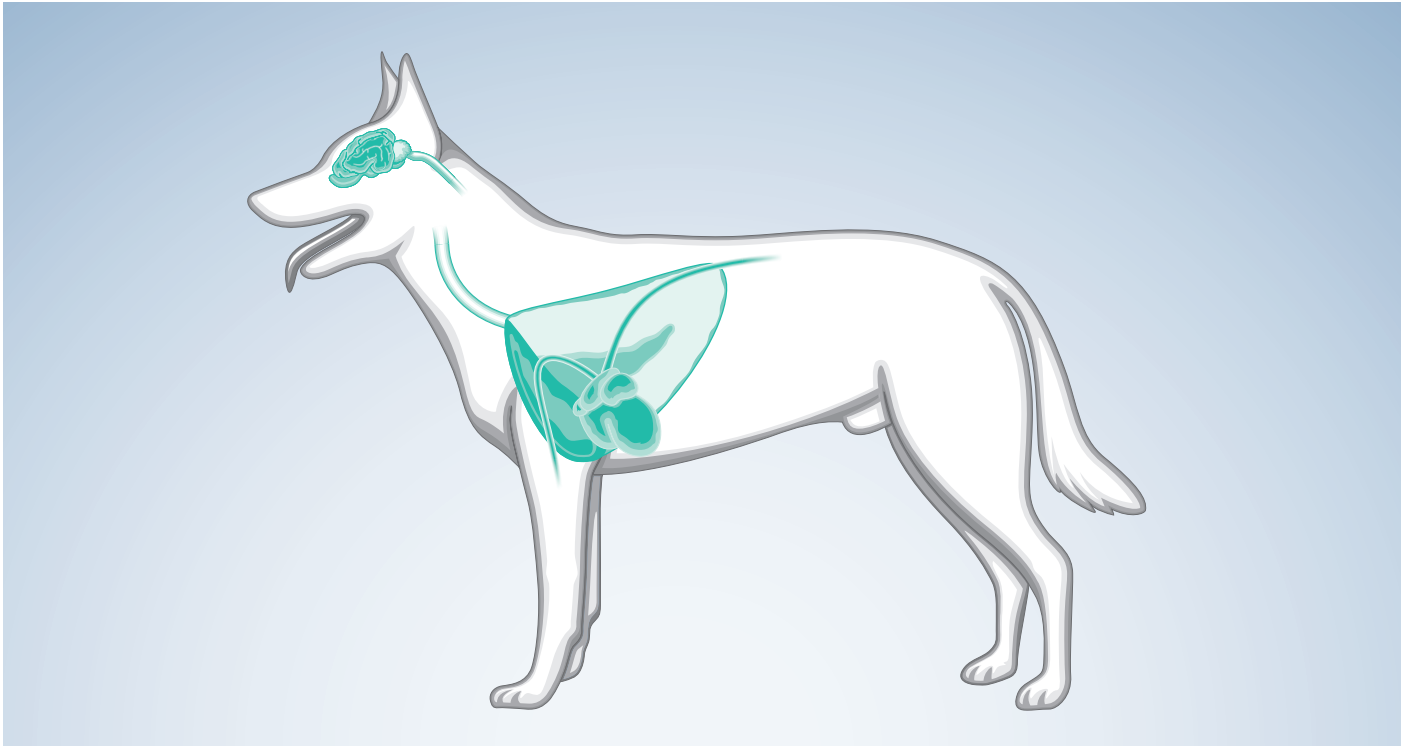


EMERGENCY, CRITICAL CARE AND ONCOLOGY



INTRODUCTION



EFFICIENT PROCESSES IN EMERGENCIES AND IN ONCOLOGY

Life-threatening situations and severe illnesses require functioning processes and a fast, safe implementation of diagnostics and therapy for the patient and clinical team. Our systems combine high quality products with individual components that are customized to the needs of the user for everyday and specialised clinical work. The treatment of chemotherapy remains one of the most challenging processes within infusion therapy. From preparation of the drug through to disposal after the treatment, healthcare workers and patients are exposed to health risks, therefore it is essential that product and process, support a safe working therapy.

CONTENTS

Section 2

Emergency, Critical Care and Oncology

Central Venous Catheters

- Certofix®

Cytotoxic Transfer Sets

- Cyto-set®

Subcutaneous Injection Ports

- Celsite®

Enteral Feeding

- Feline Esophagostomy Kit

CERTOFIX[®] Central Venous Catheter



Made from kink resistant polyurethane, it is suitable for long term usage. Certofix[®] is available in lumens ranging from single to quinto channels and lumen diameters from 12G to 20G.

- Polyurethane Catheter
- Radio-opaque stripes
- Soft tip for atraumatic catheter placement
- Catheter markings for accurate catheter depth
- Junction hub for stitch fixation and teddy bear for Paed CVC
- Kink proof guide wire with “J” tip
- Either seldinger or valve needle technique

Description	Flow Rate (ml / min)	Catheter Lumen (G) / Length (cm)	Box Qty	Article No.
Certofix [®] Paed S 110	Distal 15	22G x 10cm	10	4160177
Certofix [®] Mono V220	Distal 18	18G x 20cm	10	4160215
Certofix [®] Mono V320	Distal 52	16G x 20cm	10	4160266
Certofix [®] Duo V720	Distal 55 / Proximal 45	16G / 16G x 20cm	10	4161211
Certofix [®] Trio V715	Distal 50 / Medial 28 / Proximal 28	16G / 18G / 18G x 15cm	10	4162153

* For CVC combinations not listed above, please contact your local representative.

CYTOTOXIC TRANSFER SETS

ONCOLOGY

Cyto-Set®

Safe preparation and application of hazardous drugs

The treatment of chemotherapy is one of the most challenging processes within the infusion therapy. Starting with the preparation of drug to the way of transportation, administration to the patient and disposal after the treatment. Healthcare workers, physicians and also the patients are at the risk of danger to their health. International guidelines dictate the special handling of cytostatic drugs to reduce risks during the process. The new and improved Cyto-Set® design conforms to our Safe Infusion Therapy concept to protect users and patients. In the field of drug preparation the wide spread portfolio of Cyto-Set® offers a high safety standard of each component. During application on the ward the new Cyto-Set® portfolio not only improves handling but also increases safety.

The portfolio of Cyto-Set® products is comprehensive and offers a convenient solution for the application of cytostatic drugs. When used together Cyto-Set® Mix, Cyto-Set® Infusion and Cyto-Set® Infusomat® Space provide a closed system from preparation in the pharmacy to the application on the ward, through to disposal after treatment.

CYTO-SET® PRODUCTS DETAILS

PrimeStop Cap**

Proven bacteria tightness during storage and transportation.

Vented Spike***

High filter performance! The bacterial and viral filter efficiency is higher than 99.99%! ¹⁹

Needle-free valve

With finger stopper and finger grip helps to reduce the risk of microbial contamination.



Improved fluid flow for reduced dead space volume. Finger plate & finger stopper are helping to reduce risk of touch contamination.

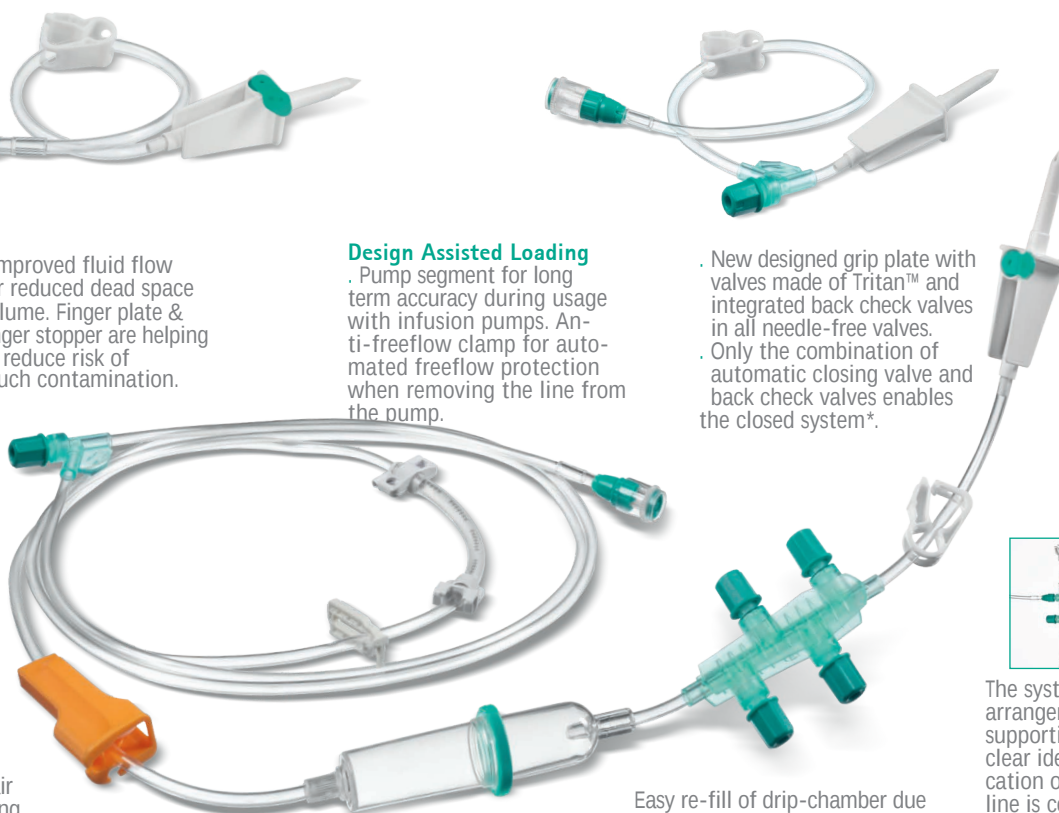
Design Assisted Loading

Pump segment for long term accuracy during usage with infusion pumps. Anti-freeflow protection for automated freeflow protection when removing the line from the pump.

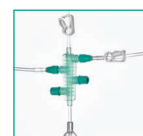
New designed grip plate with valves made of Tritan™ and integrated back check valves in all needle-free valves. Only the combination of automatic closing valve and back check valves enables the closed system*.

AirStop

Is available in Cyto-Set® Infusomat Space and Cyto-Set® Infusion protecting against air infusion by preventing the infusion line running dry.

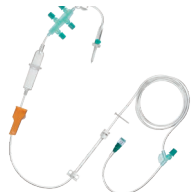


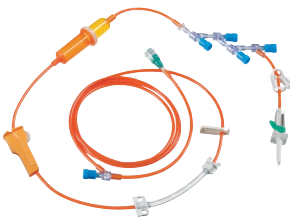
Easy re-fill of drip-chamber due to short tubing above and low priming volume of grip-plate.



The systemic arrangement is supporting the clear identification of which line is connected to which drug.

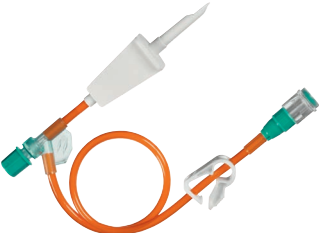
CYTO-SET® CLOSED SYSTEM LINESETS

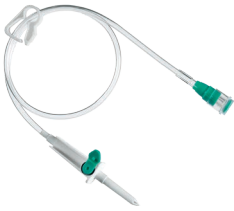
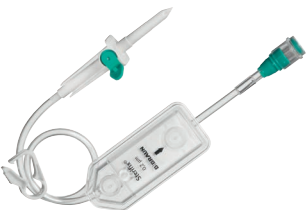
Cyto-Set® Infusomat® Space	Additional Features	Contains PVC or DEHP	Priming Volume (ml)	Box Qty	Length (cm)	Article No
	With 3 needle-free Valves	No	23.8	20	210	8250917SP
	With 5 needle-free Valves	No	23.9	20	210	8250817SP
	With 5 needle-free Valves, with 0.2 µm filter	No	27.4	20	225	8250414SP

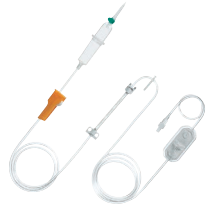
Cyto-Set® Infusomat® Space with Light Protection	Additional Features	Contains PVC or DEHP	Priming Volume (ml)	Box Qty	Length (cm)	Article No
	With 3 needle-free Valves	No	23.9	20	210	8250920SP
	With 5 needle-free Valves	No	23.9	20	210	8250820SP

Cyto-Set® Mix	Additional Features	Contains PVC or DEHP	Priming Volume (ml)	Box Qty	Length (cm)	Article No
	With 1 needle-free Valves	No	2.7	20	32	A2900N
	With 1 needle-free Valve, with 0.2 µm filter	No	5.0	20	30	A2903N



Cyto-Set® Mix with Light Protection	Additional Features	Contains PVC or DEHP	Priming Volume (ml)	Box Qty	Length (cm)	Article No
	With 3 needle-free Valves	No	23.8	20	210	A2906N

Cyto-Set® Line	Additional Features	Contains PVC or DEHP	Priming Volume (ml)	Box Qty	Length (cm)	Article No
	Without needle-free Valves	No	2.0	20	32	A2581NF
	With 1 needle-free Valve, with 0.2 µm filter	No	4.9	20	32	A2582NF

Description	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	With Sterifix®, particle & air filter 0.2µm, AirStop, PrimeStop	No	Yes	20	250	8700098SP
	With Sterifix®, particle & air filter 0.2µm	No	Yes	20	250	8700095SP

SUBCUTANEOUS INJECTION PORT

CELSITE® EPOXY

Premium venous access ports with special compact port design

As the premium access port range of B. Braun, Celsite® Epoxy ports offer outstanding features as well as an extended portfolio of different port sizes and catheter.

They are intended to be used for repeated, intravenous administration of, for example, chemotherapy, antibiotics and anti-viral drugs, parenteral nutrition, blood sampling or transfusion.

Silicone septum for reliable sealing of the puncture

- Complete range of silicone and polyurethane catheters with an atraumatic tip, marked every cm
- Reliable radiopaque connection ring with anti-kink protection
- 2 suture holes to facilitate fixation of the port



Catheter	OD (F/mm)	ID (mm)	Length (mm)	Flow rate* (ml/min)		325 PSI Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)**						Implantation technique	Type	Reference
						Viscosity 5.8 mPa.s (cP)			Viscosity 11.4 mPa.s (cP)					
						19G	22G	22G	20G	19G	22G			
Standard														
PUR	5 / 1.6	1.1	900	24	10	2	5	6	1	3	5	Braunule, Seldinger	ST201C	04432045
Silicone	6.5/2.2	1.1	800	26	10	2	6	7	1	4	5	Surgical cut-down	T201F	04430034
Silicone	6.5/2.2	1.1	800	26	10	2	6	7	1	4	5	Seldinger	ST201F	04430409
PUR	6.5/2.1	1.4	800	34	11	2	5	7	1	4	6	Seldinger	ST201P	04430417
PUR (high flow)	8.5/2.8	1.6	800	45	12	2	6	8	1	4	7	Seldinger	ST201H	04433149
Silicone	8.5/2.8	1.1	800	28	13	2	6	7	1	4	6	Surgical cut-down	T201	04430026
Silicone	8.5/2.8	1.1	800	28	13	2	6	7	1	4	6	Seldinger	ST201	04430395
Silicone (high flow)	10 / 3.2	1.6	800	47	13	2	6	9	1	4	6	Seldinger	ST201G	04433807
Small														
Silicone	6.5/2.2	1.1	800	24	10	2	5	8	1	4	6	Seldinger	ST205	04430893
Silicone	6.5/2.2	1.1	800	24	10	2	5	8	1	4	6	Surgical cut-down	T205	04430085
PUR	6.5/2.1	1.4	800	30	11	2	5	8	1	4	5	Seldinger	ST205P	04430894
Silicone	8.5/2.8	1.1	800	25	10	2	5	8	1	3	6	Seldinger	ST205L	04430895
PUR (high flow)	8.5/2.8	1.6	800	37	12	2	6	9	1	4	6	Seldinger	ST205H	04436806
Silicone***	6.5/2.2	1.0	800	24	10	2	5	8	1	4	6	Seldinger	ST215	04430143
Baby/Brachial														
PUR	4.5/1.5	0.8	800	12	7	2	4	–	1	3	–	Seldinger	Babyport*	04433742
PUR	5 / 1.6	1.1	700	22	10	2	5	–	1	4	–	Seldinger, OTW	Brachial	04433734
Silicone	6 / 2.0	1.2	600	24	10	2	5	–	1	4	–	Seldinger	Babyport* S	04433842



CELSITE® EPOXY



Highly compact design

Celsite® Epoxy ports have an extremely low profile and related to the total dimensions of the port, a particularly large septum.



High pressure resistant

The complete range of venous Celsite® Epoxy ports is resistant to high pressure injection up to 325 psi. This enables for power injections of contrast media in radiology, without the need for additional access and needlesticks.



Radiopaque CT Marking

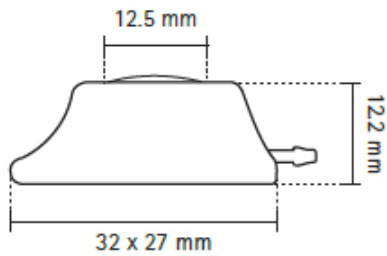
Celsite® Epoxy offers radiopaque CT marking. With CT marking it is possible to identify the port as resistant to high pressure injection in the x-ray image.



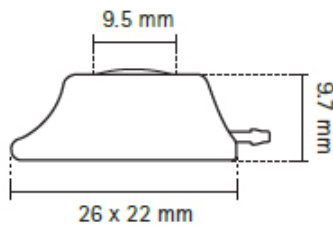
Extended Portfolio

Available as extra small, Brachial and Babyport®, one of the most compact access ports commercially available.

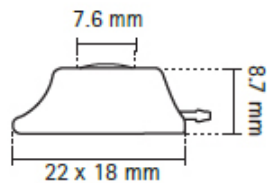
Standard



Small



Baby/Brachial



Material: Titanium | Epoxy
Weight: 8g
Internal Volume: 0.5 mL

Material: Titanium | Epoxy
Weight: 5g
Internal Volume: 0.25 mL

Material: Titanium | Epoxy
Weight: 3g
Internal Volume: 0.15 mL

ENTERAL FEEDING

FELINE ESOPHAGOSTOMY SET



Esophagostomy Set according to von Werthern.
Applicator for the simple and fast placement of an esophageal feeding tube

Applicator:

- Reusable
- Anatomically shaped
- Applicator bulb easily retracts neuro-vascular structures at the incision site
- Groove for advancing the feeding tube

Description	Box size	Article No.
Esophagostomy Set	1 Applicator and 10 feeding tubes	VC810
OD 4.8mm/CH15 x 50cm	10 feeding tubes	2112409

FEEDING TUBES



Esophageal feeding tube:

- 50 cm long, outer diameter 4.8 mm / CH 15
- Polyurethane tube suitable for long-term application
- 2 lateral eyes
- Radiopaque stripes
- Funnel attachment
- Sealing cap with Luer attachment
- Length markings
- Individually sterile packed

Charrier	outer ø inner ø	Length	Article No.
4.5	1.5 1	38	4396049
4.5	1.5 1	50	4390657
6	2.1 1.5	50	4396154
9	3 2	50	4396251
9	3 2	100	4396308
12	4.1 3	50	4396359
12	4.1 3	100	4396405

OPERATING INSTRUCTIONS



Instruments and dressings for the operation.



Place the intubated cat in right lateral recumbency and prepare the left side of the neck aseptically for surgery



Measure the length of the feeding tube and mark it with a permanent marker so that the (implanted) tip of the tube subsequently lies in front of the cardia (8th ICR).



Introduce the tube applicator into the esophagus until the bulb can be palpated laterally in the middle of the neck.



Rotate the applicator through 110° clockwise. The groove in the bulb can now be felt in the middle of the neck.



Make a skin incision approx. 2 cm long over the bulb.



Bluntly dissect the cervical musculature until the whitish esophageal wall can be seen.



Open the esophagus with a stab incision.



Insert the tube in the aboral direction up to the prepared mark. Rotate the tube applicator back to its original position (radiological check on tube position).



Fix tube in place with a double adhesive tape and secure flaps with skin staples. Cover incision site with an antiseptic ointment and gauze bandage.



Bend the esophageal feeding tube round caudally and wrap in a very loose neck bandage.



Begin feeding once the cat has fully recovered from the anaesthesia.