B BRAUN
SHARING EXPERTISE

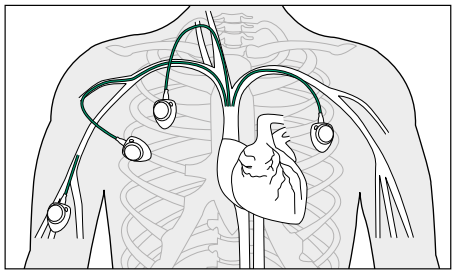
INTERVENTIONAL
VASCULAR DIAGNOSTICS
AND THERAPY

# Celsite®, Surecan®, Cytocan®

## ACCESS PORT SYSTEMS, ACCESSORIES AND NON-CORING PORT NEEDLES

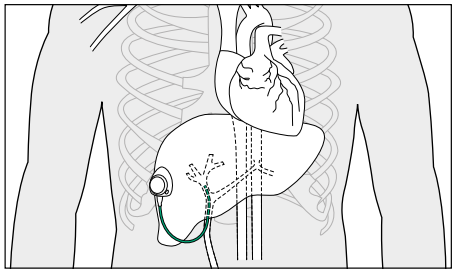
# ACCESS PORT SYSTEMS

## IMPLANTATION SITES



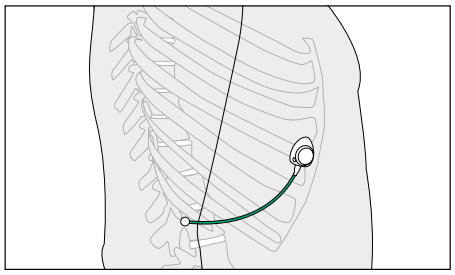
### Venous access

for repeated intra-venous administration
of, for example, chemotherapy, antibiotics and anti-viral drugs,
parenteral nutrition, blood sampling or transfusion



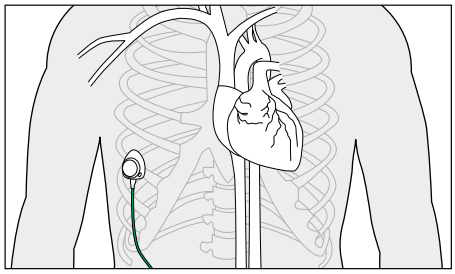
### Arterial access

for intra-arterial administration of chemotherapy



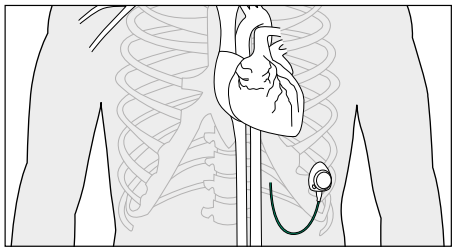
### Epidural or intra-thecal access

for spinal administration of pain relieving drugs



### Peritoneal access

for loco-regional chemotherapy and (i. e. with Drainaport®)
for hydration and drainage of malignant ascites



### Pleural access

for drainage of malignant pleural effusion (MPE)

# CONTENT


## Access Port Systems for venous access

4 - 5 **Celsite® Safety**
Venous access ports for extended flexibility without compromise on safety

8 - 9 **Celsite® Epoxy**
Premium venous access ports with special compact port design

10 - 11 **Celsite® ECG**
Venous access ports for accurate ECG guided catheter positioning

12 - 13 **Celsite® Discreet**
Venous access ports with unique design for enhanced port stability and better cosmetic results

14 - 15 **Celsite® PSU**
Venous access ports for mid to long-term venous applications

16 **Celsite® IMPLANTOFIX®**
Venous access ports with catheter/port screw connection

17 **Celsite® Double**
Specialized venous access ports with two separate port chambers

18 **Celsite® Valved**
Venous access ports with valved catheter tip

## Access Port Systems for arterial access

19 **Celsite® Arterial**
For hepatic artery infusion therapy (surgical implantation technique)

## Access Port Systems for peritoneal access

20 **Celsite® Peritoneal**
For loco-regional chemotherapy of peritoneal metastases and ovarian cancer

## Access Port Systems for peritoneal/pleural access

21 **Celsite® DRAINAPORT**
For intra-peritoneal administration of chemotherapy, drainage of malignant ascites, or drainage of pleural effusion

## Access Port Systems for spinal or epidural access

22 **Celsite® Spinal**
For spinal administration of pain relieving drugs

## Characteristics, MRI, CECT

23 **Celsite®**
MR compatibility and high pressure resistance

## Safety Access Port Needles

24 - 25 **Surecan® Safety II**
High pressure resistant non-coring safety needle for access ports

## Access Port Needles

26 **Winged Surecan®**
High pressure resistant non-coring safety needle for access ports

26 **Cytocan®**
Non-coring needle for long term infusions with fixation base

27 **Angled Surecan®**
Non-coring port needle for short term infusions

27 **Straight Surecan®**
Non-coring needle for bolus injections or flushing of access ports

## Celsite® Access Port Systems

28 **Recommended maximum flow rates Celsite® Access Ports Systems**

29 **Overview and type declaration Celsite® Access Port Systems**

30 - 32 **Accessories**

33 - 37 **Customized Access Port Kits**

38 - 39 **Notes**

# Celsite® Safety

## VENOUS ACCESS PORTS FOR EXTENDED FLEXIBILITY WITHOUT COMPROMISE ON SAFETY

Celsite® Safety is intended to be used in any condition that requires mid to long-term intermittent or continuous central venous infusions.
The anatomic design with a low profiled nose simplifies the insertion and allows the creation of a small port pocket to downsize the trauma

### Reduced titanium content

To reduce metal induced artifacts in MRI

### PEEK as housing and chamber material

- Poly Ether Ether Ketone - A biocompatible material with high chemical and pressure resistance and excellent durability characteristics.
- Natural color without any additional substances

### Titanium bottom plate

High puncture resistance

### Titanium exit cannula

Precision in catheter connection

### High pressure resistant And Radiopaque CT – marking

- Complete range of Celsite® Safety is resistant to high pressure injections up to 325 psi
- Enables power injections of contrast media
- No need for additional venous access
- Clear identification of high pressure resistance under the x-ray

### Large puncture area with high density silicone septum

For simple puncturing and reliable sealing to allow good port life

### Extra large suture holes

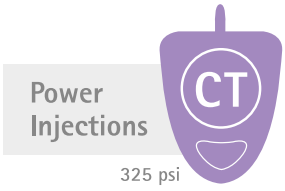
For easy fixation of the access port with sutures

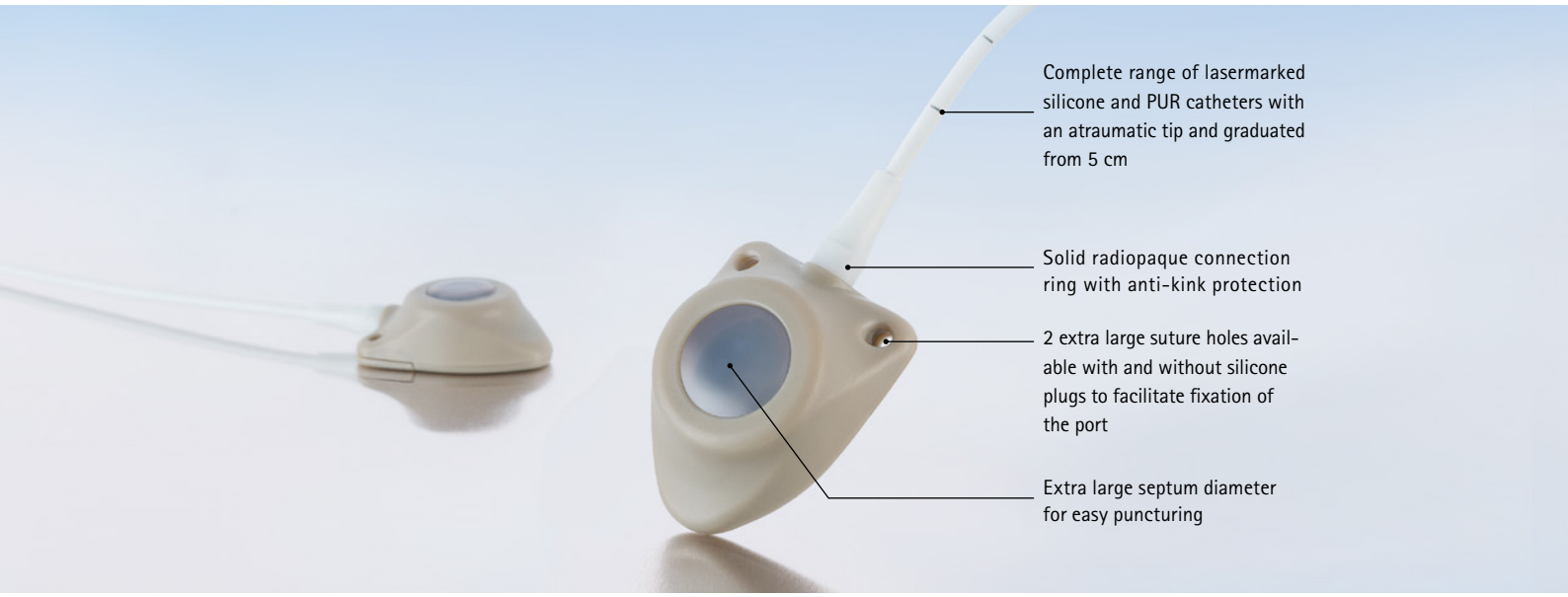
### Lasermarked PUR and silicone catheters

- Clear readability of the catheter length
- No ink is added

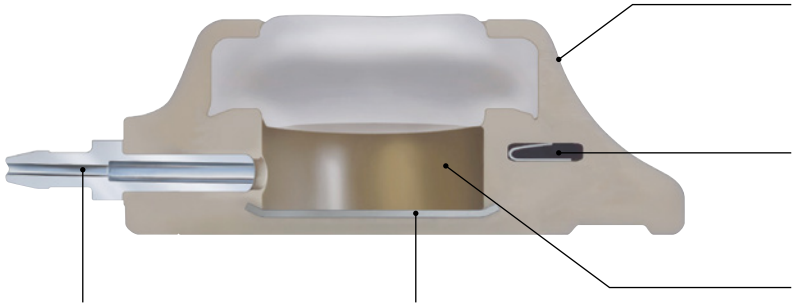
### Radiopaque connection ring

Anti kink protection and additional fixation of the catheter




## PEEK and titanium combination as special safety features




## Surecan® Safety II - Port Needle

- Intuitive safety mechanism to reduce the risk of needle stick injuries
- High pressure resistance up to 325 psi


## Safecan™ Safety - Puncture Needle

- Safety mechanism to reduce the risk of needle stick injuries
- Echogenic puncture needle for needle tip location via ultrasound

# Celsite® Safety

CELSITE® SAFETY OFFERS A WIDE RANGE OF SILICONE AND PUR CATHETERS AS WELL AS TWO DIFFERENT PORT SIZES, STANDARD AND SMALL.

Power Injections CT 325 psi

## Celsite® Safety with open suture holes

| Catheter | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)** Viscosity up to 11.4 mPa.s (cP) | | | Implantation technique | Type | Reference | Accessories see page 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 19 G | 22 G | 22 G | 20 G | 19 G | | | | |
| **Standard** | | | | | | | | | | | | |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Surgical cut-down | T601F | 4437556 | 8 |
| Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | Surgical cut-down | T601L | 4437573 | 8 |
| PUR | 6.5 / 2.1 | 1.4 | 500 | 37 | 12 | 2 | 5 | 5 | Surgical cut-down | T601P | 4437565 | 8 |
| PUR | 8.5 / 2.8 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Surgical cut-down | T601H | 4437581 | 8 |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Seldinger | SST601F | 4437603 | 7 |
| Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | Seldinger | SST601L | 4437612 | 7 |
| Silicone | 10 / 3.2 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Seldinger | SST601G | 4437620 | 7 |
| PUR | 6.5 / 2.1 | 1.4 | 500 | 37 | 12 | 2 | 5 | 5 | Seldinger | SST601P | 4437607 | 7 |
| PUR | 8.5 / 2.8 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Seldinger | SST601H | 4437617 | 7 |
| **Small** | | | | | | | | | | | | |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Surgical cut-down | T605F | 4437758 | 8 |
| Silicone | 10 / 3.2 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Surgical cut-down | T605G | 4437786 | 8 |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Seldinger | SST605F | 4437803 | 7 |
| Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | Seldinger | SST605L | 4437817 | 7 |
| Silicone | 10 / 3.2 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Seldinger | SST605G | 4437822 | 7 |
| PUR | 5 / 1.6 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Seldinger | SST605C | 4437800 | 7 |
| PUR | 6.5 / 2.1 | 1.4 | 500 | 37 | 12 | 2 | 5 | 5 | Seldinger | SST605P | 4437809 | 7 |
| PUR | 8.5 / 2.8 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Seldinger | SST605H | 4437813 | 7 |

* Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm. According to ISO 10555-1

** Flow rates determined according to ISO 10555-6 with a catheter of 20 cm and Surecan® Safety II 20 mm needle

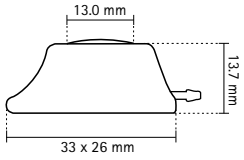
## All Celsite® Safety Ports are PVC, LATEX and DEHP free

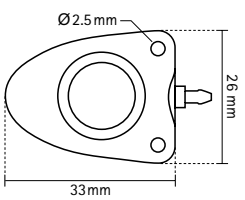
PVC FREE

LATEX FREE

DEHP FREE

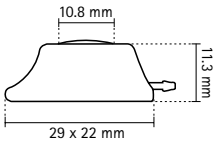
### Standard

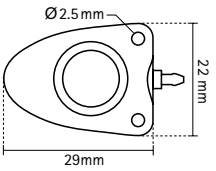



**Material:** Titanium | PEEK
**Weight:** 8 g
**Internal Volume:** 0.5 mL

### Small



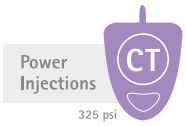




**Material:** Titanium | PEEK
**Weight:** 5 g
**Internal Volume:** 0.3 mL

# Celsite® Safety

## ADDITIONAL REFERENCES WITH ULTRASOUND COVER AND SILICONE PLUGS

### Celsite® Safety with Ultrasound cover



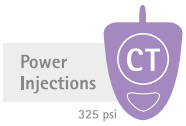

| Catheter | OD (F/mm) | ID (mm) | Length (mm) | Flow rate** (ml/min) | | Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)*** Viscosity up to 11.4 mPa.s (cP) | | | Implantation technique | Type | Reference | Accessories see page 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 19 G | 22 G | 22 G | 20 G | 19 G | | | | |
| **Standard** | | | | | | | | | | | | |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Seldinger | SNT601F (US Probe) | 4437592 | 11 |
| Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | Seldinger | SNT601L (US Probe) | 4437593 | 11 |
| **Small** | | | | | | | | | | | | |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Seldinger | SNT605F (US Probe) | 4437594 | 11 |
| Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | Seldinger | SNT605L (US Probe) | 4437595 | 11 |

* Available in CE marked countries

** Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm. According to ISO 10555-1

*** Flow rates determined according to ISO 10555-6 with a catheter of 20 cm and Surecan® Safety II 20 mm needle

### Celsite® Safety with Silicone plugs




| Catheter | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)** Viscosity up to 11.4 mPa.s (cP) | | | Implantation technique | Type | Reference | Accessories see page 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 19 G | 22 G | 22 G | 20 G | 19 G | | | | |
| **Standard** | | | | | | | | | | | | |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Seldinger | SST701F | 4437605 | 11 |
| Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | Seldinger | SST701L | 4437614 | 11 |
| Silicone | 10 / 3.2 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Seldinger | SST701G | 4437621 | 11 |
| PUR | 6.5 / 2.1 | 1.4 | 500 | 37 | 12 | 2 | 5 | 5 | Seldinger | SST701P | 4437609 | 11 |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Surgical cut-down | T701F | 4437560 | 15 |
| Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | Surgical cut-down | T701L | 4437578 | 15 |
| **Small** | | | | | | | | | | | | |
| Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Seldinger | SST705F | 4437805 | 11 |
| Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | Seldinger | SST705L | 4437818 | 11 |
| Silicone | 10 / 3.2 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Seldinger | SST705G | 4437790 | 11 |
| PUR | 5 / 1.6 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | Seldinger | SST705C | 4437801 | 11 |
| PUR | 6.5 / 2.1 | 1.4 | 500 | 37 | 12 | 2 | 5 | 5 | Seldinger | SST705P | 4437807 | 11 |
| PUR | 8.5 / 2.8 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | Seldinger | SST705H | 4437815 | 11 |

* Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm. According to ISO 10555-1

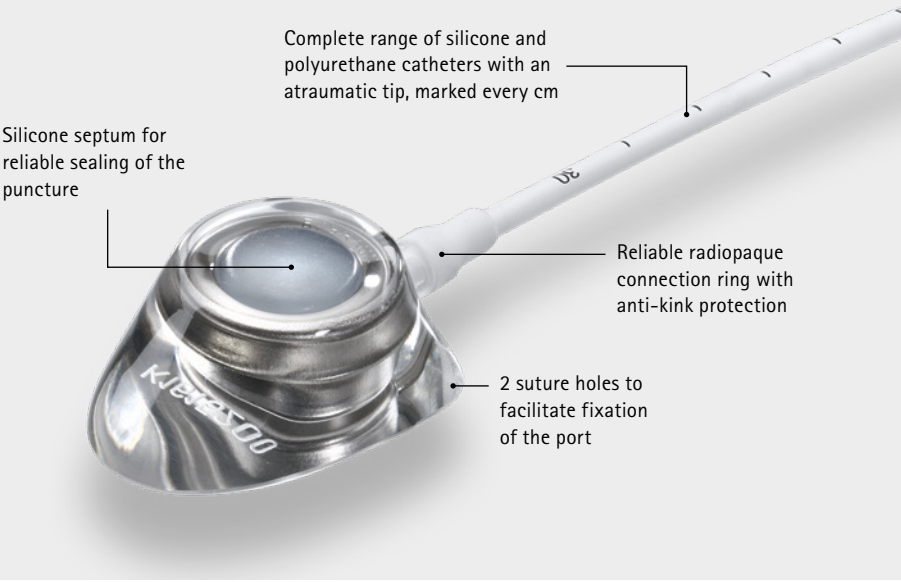
** Flow rates determined according to ISO 10555-6 with a catheter of 20 cm and Surecan® Safety II 20 mm needle

# 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 catheters.

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

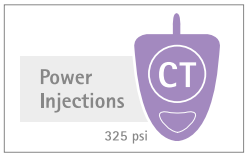



### Highly compact design

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

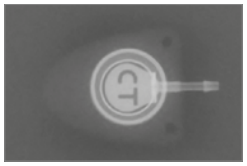
### High pressure resistant

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

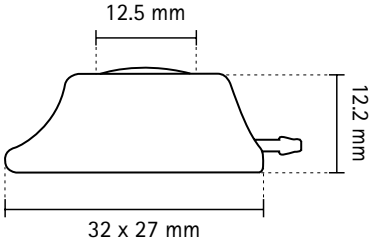
Available as extra small Brachial- and Babyport®.
One of the most compact access ports commercially available.

Power Injections
325 psi

| 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 | Accessories see page 30/31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Viscosity 5.8 mPa.s (cP) | | | Viscosity 11.4 mPa.s (cP) | | | | | | |
| | | | | 19 G | 22 G | 22 G | 20 G | 19 G | 22 G | 20 G | 19 G | | | | |
| **Standard** | | | | | | | | | | | | | | | |
| PUR | 5 /1.6 | 1.1 | 900 | 24 | 10 | 2 | 5 | 6 | 2 | 5 | 6 | Seldinger | ST201C | 04432045 | 1 |
| Silicone | 6.5/2.2 | 1.1 | 800 | 26 | 10 | 2 | 6 | 7 | 2 | 6 | 8 | Surgical cut-down | T201F | 04430034 | 6 |
| Silicone | 6.5/2.2 | 1.1 | 800 | 26 | 10 | 2 | 6 | 7 | 2 | 6 | 8 | Seldinger | ST201F | 04430409 | 1 |
| PUR | 6.5/2.1 | 1.4 | 800 | 34 | 11 | 2 | 5 | 7 | 2 | 5 | 6 | Seldinger | ST201P | 04430417 | 1 |
| PUR (high flow) | 8.5/2.8 | 1.6 | 800 | 45 | 12 | 2 | 6 | 8 | 2 | 7 | 9 | Seldinger | ST201H | 04433149 | 1 |
| Silicone | 8.5/2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Surgical cut-down | T201 | 04430026 | 6 |
| Silicone | 8.5/2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Seldinger | ST201 | 04430395 | 1 |
| Silicone (high flow) | 10 /3.2 | 1.6 | 800 | 47 | 13 | 2 | 6 | 9 | 2 | 6 | 8 | Seldinger | ST201G | 04433807 | 1 |
| **Small** | | | | | | | | | | | | | | | |
| Silicone | 6.5/2.2 | 1.1 | 800 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | ST205 | 04430893 | 1 |
| Silicone | 6.5/2.2 | 1.1 | 800 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Surgical cut-down | T205 | 04430085 | 6 |
| PUR | 6.5/2.1 | 1.4 | 800 | 30 | 11 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | ST205P | 04430894 | 1 |
| Silicone | 8.5/2.8 | 1.1 | 800 | 25 | 10 | 2 | 5 | 8 | 2 | 5 | 7 | Seldinger | ST205L | 04430895 | 1 |
| PUR (high flow) | 8.5/2.8 | 1.6 | 800 | 37 | 12 | 2 | 6 | 9 | 2 | 5 | 8 | Seldinger | ST205H | 04436806 | 1 |
| Silicone*** | 6.5/2.2 | 1.0 | 800 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | ST215 | 04430143 | 1 |
| **Baby/Brachial** | | | | | | | | | | | | | | | |
| PUR | 4.5/1.5 | 0.8 | 800 | 12 | 7 | 2 | 4 | – | 2 | 3 | – | Seldinger | Babyport® | 04433742 | 4 |
| PUR | 5 /1.6 | 1.1 | 700 | 22 | 10 | 2 | 5 | – | 2 | 4 | – | Seldinger, OTW | Brachial | 04433734 | 10 |
| Silicone | 6 /2.0 | 1.2 | 600 | 24 | 10 | 2 | 5 | – | 2 | 5 | – | Seldinger | Babyport® S | 04433842 | 5 |

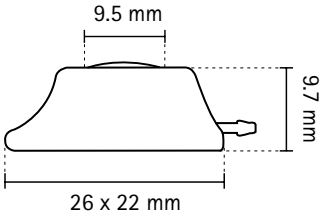
Celsite® Epoxy offers a wide range of Silicone and PUR catheters and three different port sizes, Standard, Small and Baby/Brachial.

### Standard



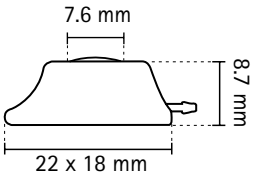

**Material:** Titanium | Epoxy
**Weight:** 8 g
**Internal Volume:** 0.5 mL

### Small




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

### Baby/Brachial




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

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.
** With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.
*** With pre-connected catheter.

# Celsite® ECG

## VENOUS ACCESS PORTS FOR ACCURATE ECG GUIDED CATHETER POSITIONING

- Celsite® ECG allows catheter positioning via intra-atrial ECG detection
- Accurate placement of the catheter tip into the superior vena cava without intraoperative fluoroscopy
- With radiopaque CT marking.

Correct and accurate positioning of the catheter is of high importance to reduce the risk of long term complications.*

* Caers J., Support Care Cancer (2005) 13:325–331

### Accepted

Proven in daily clinical routine and numerous clinical trials.

### Accurate

Celsite® ECG allows accurate placement of the catheter tip.

### Without X-ray

No expensive X-ray equipment needed in almost all cases.
No X-ray exposure for theatre staff and patients.

### Compatible

Celsite® ECG can be used with any ECG monitor with no need for additional investment.

The Certodyn® Universal Adapter can be ordered by reference 04150228

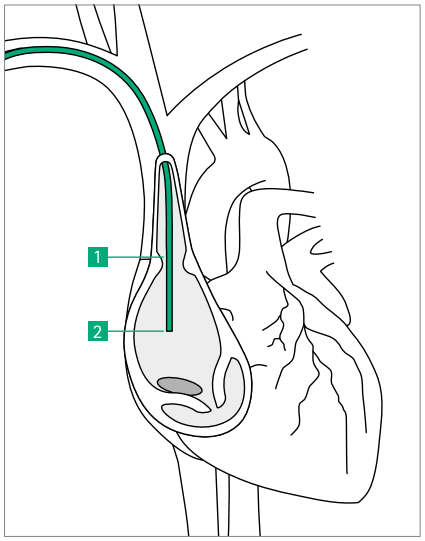
Power Injections CT 325 psi

| 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 | Accessories see page 30/31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Viscosity 5.8 mPa.s (cP) | | | Viscosity 11.4 mPa.s (cP) | | | | | | |
| | | | | 19G | 22G | 22G | 20G | 19G | 22G | 20G | 19G | | | | |
| **Standard** | | | | | | | | | | | | | | | |
| Silicone | 6.5/2.2 | 1.0 | 500 | 26 | 10 | 2 | 6 | 7 | 2 | 6 | 8 | Seldinger | ST201F ECG | 04440140 | 9 |
| Silicone | 6.5/2.2 | 1.0 | 500 | 26 | 10 | 2 | 6 | 7 | 2 | 6 | 8 | Surgical cutdown | T201F ECG | 04440150 | 14 |
| Silicone | 8.5/2.8 | 1.1 | 500 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Seldinger | ST201 ECG | 04430140 | 9 |
| Silicone | 8.5/2.8 | 1.1 | 500 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Surgical cutdown | T201 ECG | 04430150 | 14 |
| **Small** | | | | | | | | | | | | | | | |
| Silicone | 6.5/2.2 | 1.0 | 500 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | ST205F ECG | 04440111 | 9 |
| Silicone | 6.5/2.2 | 1.0 | 500 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Surgical cutdown | T205F ECG | 04440222 | 14 |
| Silicone | 8.5/2.8 | 1.1 | 500 | 25 | 10 | 2 | 5 | 8 | 2 | 5 | 7 | Seldinger | ST205 ECG | 04430111 | 9 |
| Silicone | 8.5/2.8 | 1.1 | 500 | 25 | 10 | 2 | 5 | 8 | 2 | 5 | 7 | Surgical cutdown | T205 ECG | 04430222 | 14 |

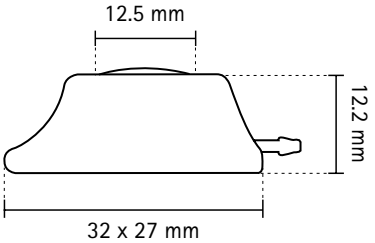
## Localisation

1 Maximal P-wave height is reached and maintained when the catheter enters into the right atrium.
After identifying the area where the P-wave begins to develop its maximal amplitude (which corresponds anatomically to the junction between superior vena cava and the right atrium) advance the catheter a further 2 cm.

2 This is the final position of the catheter tip with the patient in supine position.
This catheter position allows for the 2-3 cm cranial movement of the catheter tip which occurs when the patient is upright.

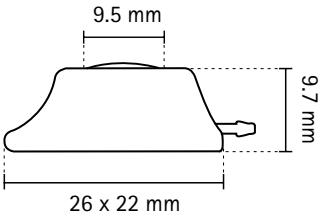



### Standard




**Material:** Titanium | Epoxy
**Gewicht:** 8 g
**Reservoir:** 0.5 mL

### Small




**Material:** Titanium | Epoxy
**Gewicht:** 5 g
**Reservoir:** 0.25 mL

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.
** With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.

# Celsite® Discreet

## VENOUS ACCESS PORTS WITH UNIQUE DESIGN FOR ENHANCED PORT STABILITY AND BETTER COSMETIC RESULTS

Celsite® Discreet offers unique design and allows better cosmetic results for the patient.

- The low profile design with patented 90° connection provides a high level of discretion
- Also available in small size to facilitate implantation in paediatric and underweight patients
- MR conditional, Latex, DEHP and PVC free
- With radiopaque CT marking.

### Prevention of Port Flip

Patented 90° angle of the exit cannula reduces the risk of port flip and associated blockage due to catheter kinking

### Better Cosmetic Results

The surgical incision can be made vertically and placed laterally following the subcutaneous traction lines

### High pressure resistant

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

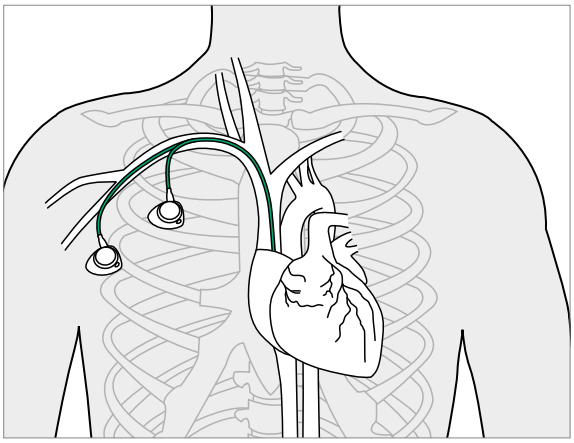
### Radiopaque CT Marking

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

Power Injections

325 psi

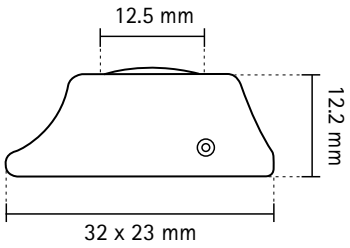
| Catheter | Exit cannula | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | 325 PSI Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar)** | | | | | | Implantation technique | Type | Reference | Accessories see page 30/31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Viscosity 5.8 mPa.s (cP) | | | Viscosity 11.4 mPa.s (cP) | | | | | | |
| | | | | | 19 G | 22 G | 22 G | 20 G | 19 G | 22 G | 20 G | 19 G | | | | |
| **Standard** | | | | | | | | | | | | | | | | |
| Silicone | left | 8.5/2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Seldinger | STL201L | 04430144 | 1 |
| Silicone | right | 8.5/2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Seldinger | STR201L | 04430145 | 1 |
| PUR | left | 8.5/2.8 | 1.6 | 800 | 45 | 12 | 2 | 6 | 8 | 2 | 7 | 9 | Seldinger | STL201H | 04440201 | 1 |
| PUR | right | 8.5/2.8 | 1.6 | 800 | 45 | 12 | 2 | 6 | 8 | 2 | 7 | 9 | Seldinger | STR201H | 04440202 | 1 |
| **Small** | | | | | | | | | | | | | | | | |
| Silicone | left | 6.5/2.2 | 1.1 | 800 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | STL205F | 04430146 | 1 |
| Silicone | right | 6.5/2.2 | 1.1 | 800 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | STR205F | 04430147 | 1 |
| PUR | left | 6.5/2.1 | 1.4 | 800 | 30 | 11 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | STL205P | 04440203 | 1 |
| PUR | right | 6.5/2.1 | 1.4 | 800 | 30 | 11 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | STR205P | 04440204 | 1 |



Standard and lateral placement of Celsite® Discreet with vertical incision.

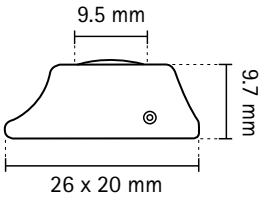
CT-Marking of Celsite® Discreet

**Standard**




**Material:** Titanium | Epoxy
**Weight:** 7 g
**Internal Volume:** 0.5 mL

**Small**




**Material:** Titanium | Epoxy
**Weight:** 4 g
**Internal Volume:** 0.25 mL

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.
** With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.

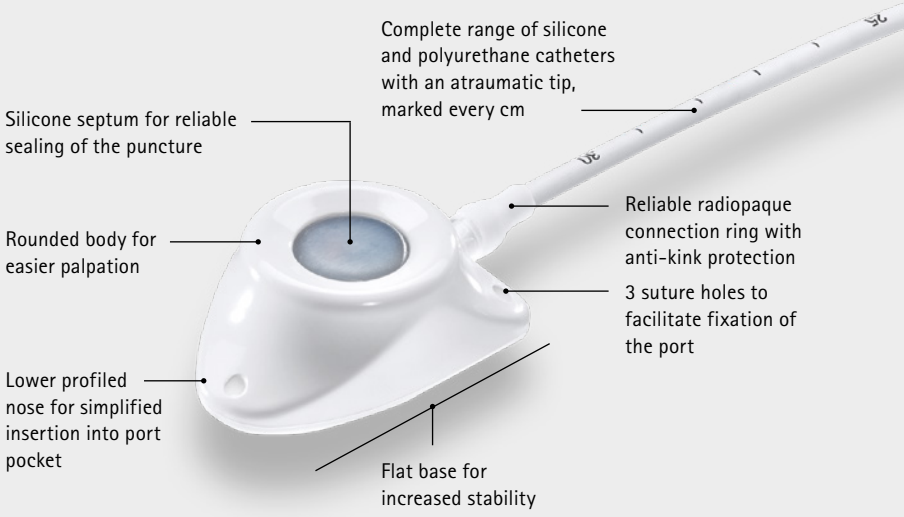
# Celsite® PSU

## VENOUS ACCESS PORTS FOR MID TO LONG-TERM VENOUS APPLICATIONS

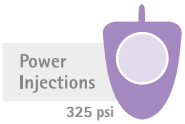
Celsite® PSU ports are the standard venous access port range for any condition that requires mid to long-term intermittent or continuous central venous infusions.

This might include chemotherapy, antibiotic and anti-viral drugs, parenteral nutrition, blood sampling or transfusion.

Celsite® PSU has a polysulphone body with a titanium chamber and is high pressure resistant up to 325 psi (22.4 bar).



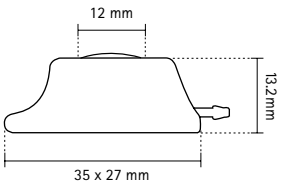

- Anatomic design and lower profiled nose for simplified insertion and patient comfort
- Available in standard and small size
- 3 suture holes to facilitate fixation of the port
- Large range of silicone and polyurethane catheters
- The radiopaque catheter is graduated from 5 cm in order to facilitate an easy, precise and reliable implantation
- MRI-conditional, Latex, DEHP and PVC free
- Resistant to high pressure injection up to 325 PSI (22.4 bar)




| 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 | Accessories see page 30/31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Viscosity 5.8 mPa.s (cP) | | | Viscosity 11.4 mPa.s (cP) | | | | | | |
| | | | | 19 G | 22 G | 22 G | 20 G | 19 G | 22 G | 20 G | 19 G | | | | |
| **Standard** | | | | | | | | | | | | | | | |
| PUR | 5 /1.6 | 1.1 | 900 | 24 | 10 | 2 | 5 | 6 | 2 | 5 | 6 | Seldinger | ST301C | 04432096 | 2 |
| PUR | 5 /1.6 | 1.1 | 370 | 24 | 10 | 2 | 5 | 6 | 2 | 5 | 6 | OTW | ST3010TW | 04433726 | 6 |
| PUR | 6.5 / 2.1 | 1.4 | 800 | 34 | 11 | 2 | 5 | 7 | 2 | 5 | 6 | Seldinger | ST301P | 04430441 | 1 |
| PUR | 6.5 / 2.1 | 1.4 | 800 | 34 | 11 | 2 | 5 | 7 | 2 | 5 | 6 | Surgical cut-down | T301P | 04430387 | 6 |
| Silicone | 6.5 / 2.2 | 1.0 | 800 | 26 | 10 | 2 | 6 | 7 | 2 | 6 | 8 | Seldinger | ST301F | 04430433 | 1 |
| Silicone*** | 6.5 / 2.2 | 1.0 | 800 | 26 | 10 | 2 | 6 | 7 | 2 | 6 | 8 | Seldinger | ST311F | 04436717 | 1 |
| Silicone | 6.5 / 2.2 | 1.0 | 800 | 26 | 10 | 2 | 6 | 7 | 2 | 6 | 8 | Surgical cut-down | T301F | 04430000 | 6 |
| Silicone | 8.5 / 2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Seldinger | ST301 | 04430425 | 1 |
| Silicone*** | 8.5 / 2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Seldinger | ST311 | 04436709 | 1 |
| Silicone | 8.5 / 2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 7 | 2 | 6 | 9 | Surgical cut-down | T301 | 04430018 | 6 |
| PUR (high flow) | 8.5 / 2.8 | 1.6 | 800 | 45 | 12 | 2 | 6 | 8 | 2 | 7 | 9 | Seldinger | ST301H | 04432460 | 1 |
| PUR (high flow) | 8.5 / 2.8 | 1.6 | 800 | 45 | 12 | 2 | 6 | 8 | 2 | 7 | 9 | Surgical cut-down | T301H | 04432452 | 6 |
| PUR (high flow)*** | 8.5 / 2.8 | 1.6 | 800 | 45 | 12 | 2 | 6 | 8 | 2 | 7 | 9 | Seldinger | ST311H | 04436814 | 1 |
| Silicone (high flow) | 10 /3.2 | 1.6 | 800 | 47 | 13 | 2 | 6 | 9 | 2 | 6 | 8 | Seldinger | ST301G | 04433823 | 1 |
| **Small** | | | | | | | | | | | | | | | |
| PUR | 5 /1.6 | 1.1 | 900 | 22 | 10 | 2 | 5 | 7 | 2 | 5 | 6 | Seldinger | ST305C | 04436962 | 2 |
| PUR | 6.5 / 2.1 | 1,4 | 800 | 30 | 11 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | ST305P | 04436946 | 1 |
| Silicone | 6.5 / 2.2 | 1.0 | 800 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | ST305 | 04433750 | 1 |
| Silicone*** | 6.5 / 2.2 | 1.0 | 800 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Seldinger | ST315 | 04436725 | 1 |
| Silicone | 6.5 / 2.2 | 1.0 | 800 | 24 | 10 | 2 | 5 | 8 | 2 | 5 | 6 | Surgical cut-down | T305 | 04436903 | 6 |
| Silicone | 8.5 / 2.8 | 1.1 | 800 | 25 | 10 | 2 | 5 | 8 | 2 | 5 | 7 | Seldinger | ST305L | 04436920 | 1 |
| Silicone*** | 8.5 / 2.8 | 1.1 | 800 | 25 | 10 | 2 | 5 | 8 | 2 | 5 | 7 | Seldinger | ST315L | 04436710 | 1 |
| PUR (high flow) | 8.5 / 2.8 | 1.6 | 800 | 37 | 12 | 2 | 6 | 9 | 2 | 5 | 8 | Seldinger | ST305H | 04433556 | 1 |

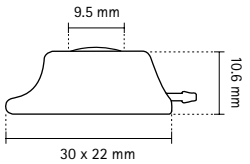
Celsite® PSU ports offer a wide range of silicone and PUR catheters combined with two different port sizes, Standard and Small.

### Standard




**Material:** Titanium | Polysulphone
**Weight:** 9 g
**Internal Volume:** 0.5 mL

### Small



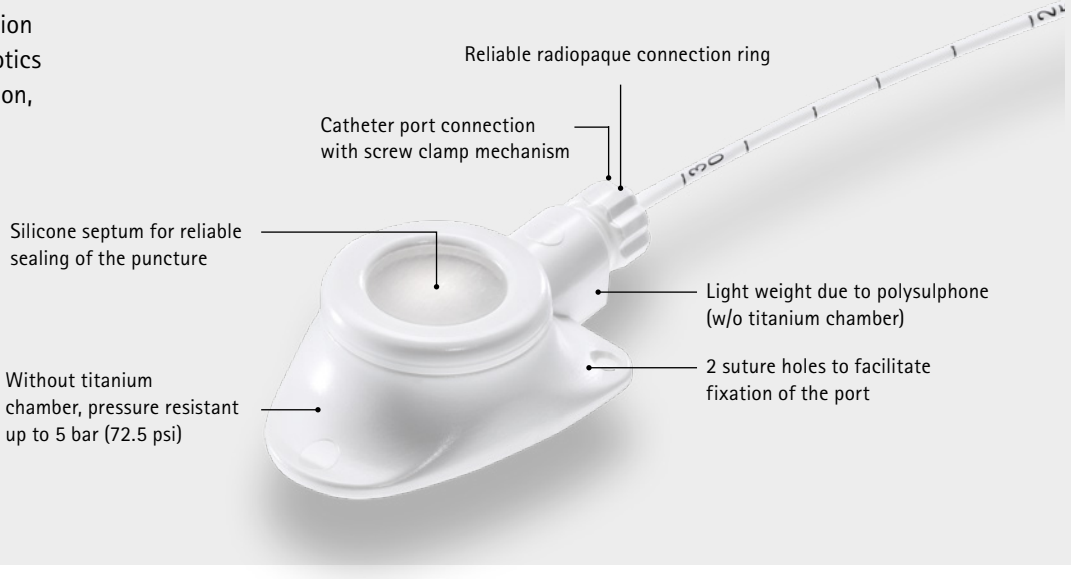

**Material:** Titanium | Polysulphone
**Weight:** 4.7 g
**Internal Volume:** 0.25 mL

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.
** With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.
*** With pre-connected catheters.

# Celsite® IMPLANTOFIX®

## VENOUS ACCESS PORTS WITH SCREW CLAMP CONNECTION

For repeated intra-venous administration of, for example, chemotherapy, antibiotics and anti-viral drugs, parenteral nutrition, blood sampling or transfusion.

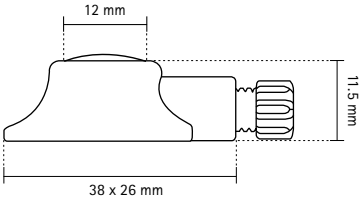



| Catheter | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | Implantation technique | Type | Reference | Accessories see page 30/31 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 19G | 22G | | | | |
| **Standard** | | | | | | | | | |
| PUR | 5 / 1.6 | 1.1 | 700 | 22 | 10 | Surgical cut-down | IMPLANTOFIX® | 04430263 | 6 |
| PUR | 5 / 1.6 | 1.1 | 370 | 22 | 10 | Seldinger, OTW | IMPLANTOFIX® | 04438604 | 13 |
| Silicone | 6 / 2.0 | 1.2 | 600 | 26 | 11 | Seldinger | IMPLANTOFIX® S | 04438704 | 13 |
| **Small** | | | | | | | | | |
| PUR | 5 / 1.6 | 1.1 | 370 | 22 | 10 | Seldinger, OTW | IMPLANTOFIX® | 04438647 | 13 |
| Silicone | 6 / 2.0 | 1.2 | 600 | 26 | 11 | Seldinger | IMPLANTOFIX® S | 04438747 | 12 |

**All IMPLANTOFIX® products contain:**

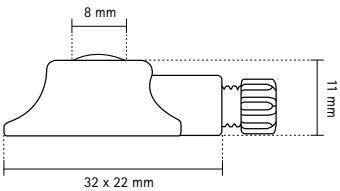
- 2 x Screw connectors
- 2 x Straight Surecan® 22G x 30 mm
- 1 x Spanner
- 1 x Vein lifter

Standard




**Material:** Polysulphone
**Weight:** 6 g
**Internal Volume:** 0.33 mL

Small




**Material:** Polysulphone
**Weight:** 4.3 g
**Internal Volume:** 0.15 mL

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.

# Celsite® Double

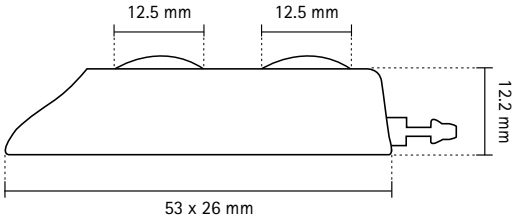
## SPECIALIZED VENOUS ACCESS PORTS WITH TWO SEPARATE PORT CHAMBERS FOR SIMULTANEOUS INFUSION

Power Injections CT 325 psi

- For simultaneous infusion of e.g. incompatible drugs
- For infusion with high flow rates by using both lumina
- Administration of continuous infusion and bolus injection
- Alternating puncture sites
- Profiled shape to be easily placed in a small pocket
- Small size facilitates implantation in paediatric and underweight patients
- Off-set silicone catheter tip ensures that no mixing of drugs occurs at the catheter tip
- With radiopaque CT marking.

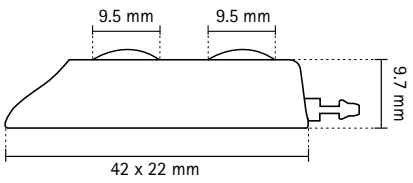
| Catheter | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | 325 PSI Recommended maximum flow rates (mL/s) Contrast media at 37°C (325 psi = 22.4 bar) | | | | | | Implantation technique | Type | Reference | Accessories see page 30/31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Viscosity 5.8 mPa.s (cP) | | | Viscosity 11.4 mPa.s (cP) | | | | | | |
| | | | | 19G | 22G | 22G | 20G | 19G | 22G | 20G | 19G | | | | |
| **Standard** | | | | | | | | | | | | | | | |
| Silicone | 10/3.2 | 1.2 x 2 | 800 | 32 | 11 | 2 | 5 | 8 | 2 | 6 | 9 | Seldinger | ST401L | 04430100 | 1 |
| **Small** | | | | | | | | | | | | | | | |
| Silicone | 10/3.2 | 1.2 x 2 | 800 | 29 | 11 | 2 | 5 | 8 | 2 | 5 | 7 | Seldinger | ST405L | 04430101 | 1 |

### Standard




**Material:** Titanium | Epoxy
**Weight:** 14g
**Internal Volume:** 0.5 mL x 2

### Small




**Material:** Titanium | Epoxy
**Weight:** 7.5g
**Internal Volume:** 0.25 mL x 2

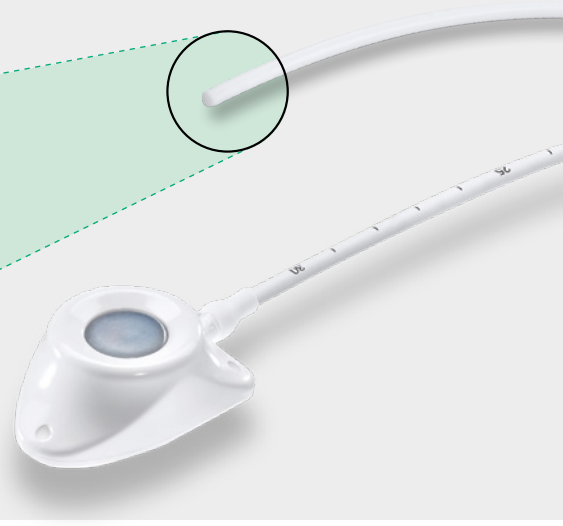
* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.
** With a catheter of 20 cm and Surecan® Safety II. For countries under CE mark only.

# Celsite® Valved

## VENOUS PSU ACCESS PORTS WITH VALVED CATHETER TIP

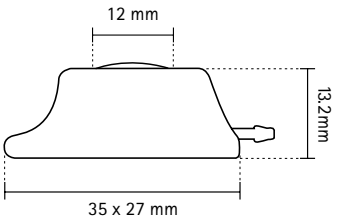
- For chemotherapy, administration of antibiotics, parenteral nutrition and blood sampling
- Allows easy infusion and aspiration
- Anti-Reflux radiopaque silicone catheter
- Distal 3-way valve

Conditions:

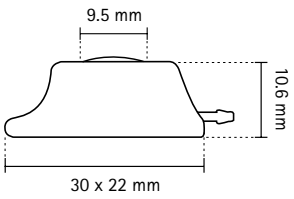
| Catheter | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | Implantation technique | Type | Reference | Accesso-ries see page 30/31 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 19G | 22G | | | | |
| **Standard** | | | | | | | | | |
| Silicone | 7.5 / 2.5 | 1.5 | 800 | 30 | 11 | Seldinger | ST301V | 04430092 | 1 |
| **Small** | | | | | | | | | |
| Silicone | 7.5 / 2.5 | 1.5 | 800 | 27 | 10 | Seldinger | ST305V | 04430095 | 1 |

### Standard




**Material:** Titanium | Polysulphone
**Weight:** 9 g
**Internal Volume:** 0.5 mL

### Small




**Material:** Titanium | Polysulphone
**Weight:** 4.7 g
**Internal Volume:** 0.25 mL

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.

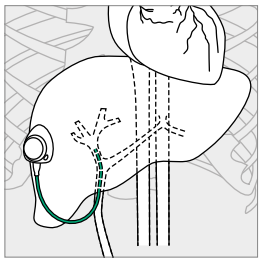
# Celsite® Arterial

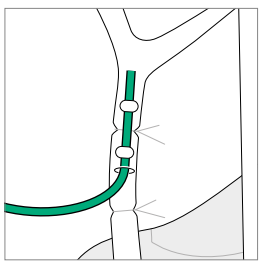
## FOR HEPATIC ARTERY INFUSION THERAPY (SURGICAL IMPLANTATION TECHNIQUE)

- For loco-regional chemotherapy of liver tumours and hepatic artery infusion therapies
- The access port is implanted at the base of the ribs, while the catheter is introduced into the *arteria gastroduodenalis* so that the catheter tip is located in the *arteria hepatica*
- The radiopaque silicone catheter has two rings to facilitate immobilisation of the catheter in the artery

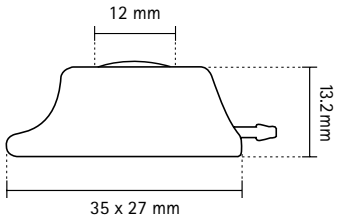
**Accessories:**
Every Access Port kit contains
- 2 Straight Surecan® needles 22G x 30 mm
- 1 vein lifter

| Catheter | Access Port | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | Implantation technique | Type | Reference |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 19G | 22G | | | |
| **Standard** | | | | | | | | | |
| Silicone | Celsite® (Titanium/ Polysulphone) | 6.5 / 2.2 | 1.0 | 800 | 26 | 10 | Surgical cut-down | T302 | 04430042 |
| PUR | IMPLANTOFIX® (Polysulphone) | 5 / 1.7 | 1.1 | 700 | 22 | 10 | Surgical cut-down | IMPLANTOFIX® | 04438817** |



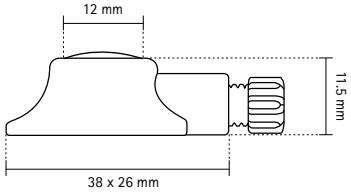


### Celsite® Standard




**Material:** Titanium | Polysulphone
**Weight:** 9 g
**Internal Volume:** 0.5 mL

### Celsite® IMPLANTOFIX® Standard




**Material:** Polysulfon
**Weight:** 6 g
**Internal Volume:** 0.33 mL

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.
** Polyurethane catheter with two rings.

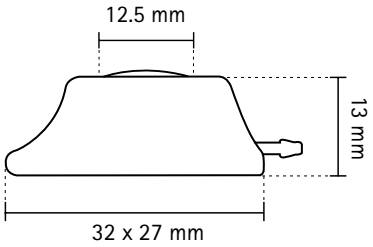
# Celsite® Peritoneal

## FOR LOCO-REGIONAL CHEMOTHERAPY OF PERITONEAL METASTASES AND OVARIAN CANCER

- For loco-regional chemotherapy of peritoneal metastases and ovarian cancer
- The access port is implanted at the base of the ribs and the catheter is placed at the required location inside the abdominal cavity
- The radiopaque silicone catheter with multiple perforations enables enhanced diffusion of infused drugs and reliable patency of the catheter

| Catheter | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | Implantation technique | Type | Reference |
|---|---|---|---|---|---|---|---|---|
| | | | | 19G | 22G | | | |
| **Standard** | | | | | | | | |
| Silicone | 15 / 4.9 | 2.6 | 420 | 55 | 13 | peritoneal | T203J | 04430069 |

Standard




**Material:** Titanium | Epoxy
**Weight:** 10 g
**Internal Volume:** 0.5 mL

**Accessories:**

Every Access Port kit contains
- 2 Straight Surecan® needles 22G x 30 mm
- 1 vein lifter

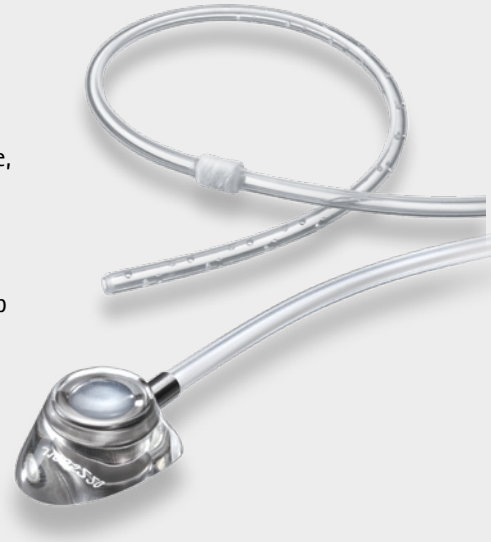
The implantation accessories kit AP16F can be ordered separately (Reference 4430493; see page 31).

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.

# Celsite® DRAINAPORT

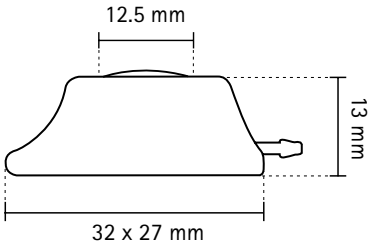
## FOR INTRA-PERITONEAL ADMINISTRATION OF CHEMOTHERAPY, DRAINAGE OF MALIGNANT ASCITES, OR DRAINAGE OF MALIGNANT PLEURAL EFFUSION

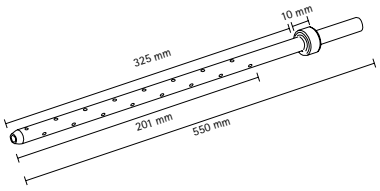
- For intra-peritoneal administration of chemotherapy, hydration, drainage of malignant ascites, or drainage of malignant pleural effusion
- Helps to avoid repeated, painful puncture for drainage
- Improves quality of life and is an easy and effective solution for home care treatment
- Celsite® DRAINAPORT can be implanted percutaneously or by surgical cut-down technique
- **Catheter cuff** promotes tissue ingrowth to reduce infection risk and holds the catheter in place
- **Connection** is enabled by the radiopaque titanium connection ring
- **Silicone septum** for reliable puncture
- **Anatomic design** with delta shape profile, light weight and easy to suture
- Smooth, large and flexible **multiperforated silicone catheter** with 49 oval holes (Ø 1.1 x 1.6 mm) from the tip up to 20 cm to prevent blockage of the catheter and enhance efficiency



| Catheter | OD (F/mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | Implantation technique | Type | Reference |
|---|---|---|---|---|---|---|---|---|
| | | | | 19G | 22G | | | |
| **Standard** | | | | | | | | |
| Silicone | 15/4.9 | 2.6 | 550 | 55 | 13 | peritoneal / pleural | T203J-1 | 04430169 |

Standard




**Material:** Titanium | Epoxy
**Weight:** 10 g
**Internal Volume:** 0.5 mL

**Accessories:**
Every Access Port kit contains
- 2 Straight Surecan® needles 22G x 30 mm

The implantation accessories kit AP16F can be ordered separately (Reference 4430493; see page 31).

B. Braun Drainage Kit is separately available.
It contains:
- 1 Pleuracan® double anti-reflux valve
- 1 Secretion bag 2.0l
- 1 Combifix® male/male Adapter

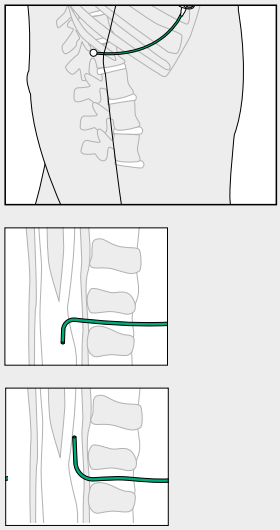
Reference: 5021571

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1.

# Celsite® Spinal

## FOR SPINAL ADMINISTRATION OF PAIN RELIEVING DRUGS

- For spinal and epidural administration of pain relieving drugs
- The catheter is tunneled under the skin to the access port, which is implanted at the base of the ribs
- Light weight and comfortable
- Profiled shape design facilitates insertion
- Integrated 20 µm titanium filter prevents the passage of particles



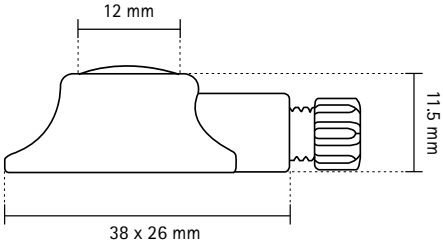
| Catheter | OD | OD (mm) | ID (mm) | Length (mm) | Flow rate* (ml/min) | | Implantation technique | Type | Reference |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 19G | 22G | | | |
| **Standard** | | | | | | | | | |
| PUR and PA | 19G | 1.05 | 0.6 | 1000 | 3 | 3 | spinal/epidural | ST304-19 | 04430096 |
| PUR and PA | 20G | 0.86 | 0.45 | 1000 | 1 | 1 | spinal/epidural | ST304-20 | 04430097 |

### Catheter

Every Access Port kit contains 2 catheters:

- 1 multiperforated closed tip polyamide catheter (PA)
- 1 open tip polyurethane catheter (PUR) with a teflon-coated guide wire

Standard




**Material:** Polysulphone | Titanium-Filter
**Weight:** 6g
**Internal Volume:** 0.33 mL

### Accessory kit:

- Screw connector (2x)
- Spanner
- Anti-kink device (2x)
- Tunneling rod
- Winged Surecan® needle 20G x 20 mm
- Omnifix® syringe 10 mL
- Perican Tuohy needle 16G (ST304-19) or Tuohy needle 18G (ST304-20)
- Perifix 0.2 µm filter
- Scalpel size 10 and 11
- Sterican™ needle 20G x 70 mm
- Perifix® LOR syringe
- Straight Surecan® 22G x 30 mm (2x)

* Gravity flow rates established by gravity infusion of NaCl 0.9%, height 1m. Catheter length 40cm. According to ISO 10555-1..

# Celsite®

## MR COMPATIBILITY AND HIGH PRESSURE RESISTANCE


### MR-Conditional Celsite® Access Ports

Non-clinical testing demonstrated that Celsite® Access Ports are MR Conditional. A patient with these devices can be scanned immediately after placement under the following conditions:

- Static magnetic field of 3-Tesla and 1.5-Tesla
- Maximum spatial gradient magnetic field of 4000 (extrapolated) Gauss/cm or less
- Maximum whole body averaged specific absorption rate (SAR) of 2 W/kg for 15 minutes of scanning (i.e., per pulse sequence) in the normal operating mode of operation for the MR system.

### MR-Conditional Surecan® and Cytocan® port needles

Non-clinical testing demonstrated that Surecan®/ Cytocan® port needles are MR Conditional. A patient with these devices can be scanned immediately after placement under the following conditions:

- Static magnetic field of 3-Tesla and 1.5-Tesla
- Maximum spatial gradient magnetic field of
- 710 Gauss/cm or less
- Maximum whole body averaged specific absorption rate (SAR) of 2.9 W/kg for 15 minutes of scanning

MR image quality may be compromised if the area of interest is in the exact same area or relatively close to the position of the devices. Therefore, optimization of MR imaging parameters to compensate for the presence of these devices may be necessary.

Please see instructions for use for general information and information on MRI-related heating.

### Pressure Resistance

All venous Celsite® Access Ports with titanium chamber or a titanium plate are resistant to high pressure injection up to 325 psi / 22.4 bar (except for valved catheters and Celsite® Implantofix®).

Please see instructions for use for detailed device information regarding high pressure injection.

### Material

All Celsite® Access Ports are latex-, PVC- and DEHP-free.
All Surecan®/Cytocan® needles are latex- and DEHP-free.

LATEX FREE | PVC FREE | DEHP FREE

# Surecan® Safety II

## HIGH PRESSURE RESISTANT NON-CORING SAFETY NEEDLE FOR ACCESS PORTS

Surecan® Safety II is the power injectable access port needle with an easy to use safety mechanism for reduced risk of needlestick injuries.

The small size and innovative design of Surecan® Safety II enables comfort for both clinicians and patients, either in hospital or for home care treatment.

### User safety

Intuitive safety mechanism for reduced risk of needlestick injuries

### Patient comfort

Low profile and foam pad for better patient comfort

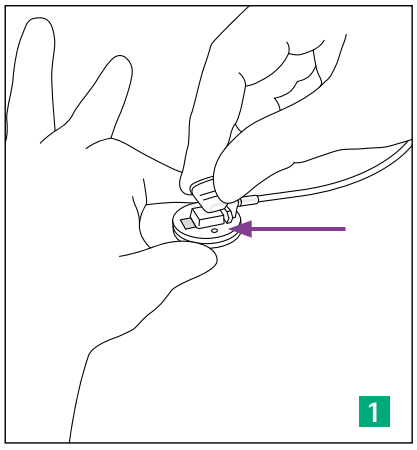
### Handling

Flexible and ergonomic wings for reliable handling

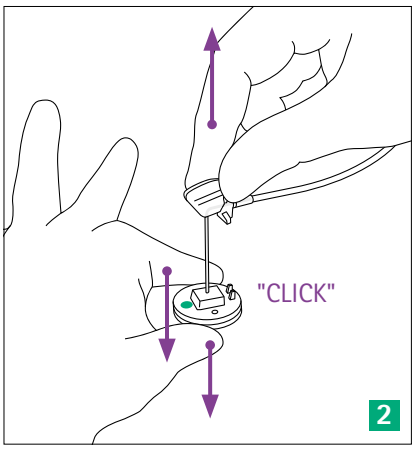
### Power injections

Suitable for power injections up to 325 psi

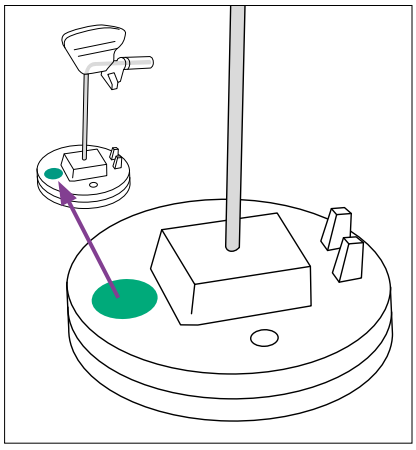
### Easy removal




Stabilise the needle base on the port




Firmly pull the wings up until you hear a "Click"



Green dot and audible click clearly indicate the safety mechanism was executed

# Surecan® Safety II

## HIGH PRESSURE RESISTANT NON-CORING SAFETY NEEDLE FOR ACCESS PORTS

Power Injections
325 psi

### Surecan® Safety II non-coring safety needle

- tubing length cannula to connector: 200 mm


| Size | Cannula diameter (mm) | Cannula length (mm) | Sales unit (pcs.) | Reference |
|---|---|---|---|---|
| G 19 | 1.1 | 12 | 20 | 04447042 |
| G 19 | 1.1 | 15 | 20 | 04447000 |
| G 19 | 1.1 | 20 | 20 | 04447001 |
| G 19 | 1.1 | 25 | 20 | 04447002 |
| G 19 | 1.1 | 32 | 20 | 04447003 |
| G 19 | 1.1 | 38 | 20 | 04447004 |
| G 20 | 0.9 | 12 | 20 | 04447043 |
| G 20 | 0.9 | 15 | 20 | 04447005 |
| G 20 | 0.9 | 20 | 20 | 04447006 |
| G 20 | 0.9 | 25 | 20 | 04447007 |
| G 20 | 0.9 | 32 | 20 | 04447008 |
| G 20 | 0.9 | 38 | 20 | 04447009 |
| G 22 | 0.7 | 12 | 20 | 04447044 |
| G 22 | 0.7 | 15 | 20 | 04447010 |
| G 22 | 0.7 | 20 | 20 | 04447011 |
| G 22 | 0.7 | 25 | 20 | 04447012 |
| G 22 | 0.7 | 32 | 20 | 04447013 |

### Surecan® Safety II non-coring safety needle with pre-connected Caresite® and Y-site

- Y-site configuration
- tubing length Y-site to connector: 98 mm
- tubing length cannula to Y-site: 105 mm
- Caresite® is a needle-free, positive pressure valve which reduces the risk of blood reflux


| Size | Cannula diameter (mm) | Cannula length (mm) | Sales unit (pcs.) | Reference |
|---|---|---|---|---|
| G 19 | 1.1 | 12 | 20 | 04447057 |
| G 19 | 1.1 | 15 | 20 | 04447045 |
| G 19 | 1.1 | 20 | 20 | 04447046 |
| G 19 | 1.1 | 25 | 20 | 04447047 |
| G 19 | 1.1 | 32 | 20 | 04447048 |
| G 19 | 1.1 | 38 | 20 | 04447049 |
| G 20 | 0.9 | 12 | 20 | 04447058 |
| G 20 | 0.9 | 15 | 20 | 04447050 |
| G 20 | 0.9 | 20 | 20 | 04447051 |
| G 20 | 0.9 | 25 | 20 | 04447052 |
| G 20 | 0.9 | 32 | 20 | 04447053 |
| G 22 | 0.7 | 12 | 20 | 04447059 |
| G 22 | 0.7 | 15 | 20 | 04447054 |
| G 22 | 0.7 | 20 | 20 | 04447055 |
| G 22 | 0.7 | 25 | 20 | 04447056 |

- Non-absorbant closed-cell foam pad of the patient plate
- MR conditional, Latex and DEHP free

LATEX FREE

DEHP FREE

For more information on the risks and prevention of needlestick injuries:

**www.safeinfusiontherapy.com**

# Winged Surecan® | Cytocan®

## ACCESS PORT NEEDLES

Power Injections
325 psi

### Winged Surecan® non-coring needle

- use for long-term infusions
- high pressure resistant up to 325 psi (22.4 bar)
- flexible wings for easier puncture and fixation
- latex- and DEHP-free
- extension tubing with clamp
- tubing length cannula to connector: 200 mm


| Size | Cannula diameter (mm) | Cannula length (mm) | Sales unit-pcs. | Reference |
|---|---|---|---|---|
| 19 G | 1.1 | 15 | 15 | 04448286 |
| 19 G | 1.1 | 20 | 15 | 04448294 |
| 19 G | 1.1 | 25 | 15 | 04448308 |
| 20 G | 0.9 | 15 | 15 | 04448332 |
| 20 G | 0.9 | 20 | 15 | 04448340 |
| 20 G | 0.9 | 25 | 15 | 04448359 |
| 20 G | 0.9 | 30 | 15 | 04448367 |
| 22 G | 0.7 | 12 | 15 | 04448375 |
| 22 G | 0.7 | 15 | 15 | 04448383 |
| 22 G | 0.7 | 20 | 15 | 04448391 |
| 22 G | 0.7 | 25 | 15 | 04448405 |

### Winged Surecan® non-coring needle with Y-site

- use for long-term infusions
- flexible wings for easier puncture and fixation
- latex- and DEHP-free
- tubing length Y-site to connector: 98 mm
- tubing length cannula to Y-site: 105 mm
- Y-site configuration

| Size | Cannula diameter (mm) | Cannula length (mm) | Sales unit-pcs. | Reference |
|---|---|---|---|---|
| 19 G | 1.1 | 20 | 15 | 04448430 |
| 19 G | 1.1 | 25 | 15 | 04448448 |
| 20 G | 0.9 | 15 | 15 | 04448472 |
| 20 G | 0.9 | 20 | 15 | 04448480 |
| 20 G | 0.9 | 25 | 15 | 04448499 |
| 22 G | 0.7 | 15 | 15 | 04448529 |
| 22 G | 0.7 | 20 | 15 | 04448537 |
| 22 G | 0.7 | 25 | 15 | 04448545 |
| 22 G | 0.7 | 30 | 15 | 04448553 |

### Cytocan® non-coring needle with fixation base

- use for long-term infusions
- flexible, transparent fixation base for reliable deployment
- latex-, PVC- and DEHP-free
- extension tubing with clamp
- tubing length cannula to connector: 250 mm

| Size | Cannula diameter (mm) | Cannula length (mm) | Sales unit-pcs. | Reference |
|---|---|---|---|---|
| 19 G | 1.1 | 15 | 25 | 4438035 |
| 19 G | 1.1 | 20 | 25 | 4438019 |
| 19 G | 1.1 | 25 | 25 | 4438027 |
| 20 G | 0.9 | 15 | 25 | 4439759 |
| 20 G | 0.9 | 20 | 25 | 4439767 |
| 20 G | 0.9 | 25 | 25 | 4439775 |
| 22 G | 0.7 | 15 | 25 | 4439694 |
| 22 G | 0.7 | 20 | 25 | 4439635 |
| 22 G | 0.7 | 25 | 25 | 4439686 |

# Angled Surecan® | Straight Surecan®

## ACCESS PORT NEEDLES

### Angled Surecan® non-coring needle

- use for short-term infusions
- latex-, PVC- and DEHP-free

Power Injections
325 psi

| Size | Cannula diameter (mm) | Cannula length (mm) | Sales unit-pcs. | Reference |
|---|---|---|---|---|
| 19 G | 1.1 | 15 | 50 | 04438000 |
| 19 G | 1.1 | 20 | 50 | 04439430 |
| 19 G | 1.1 | 25 | 50 | 04439406 |
| 20 G | 0.9 | 15 | 50 | 04439929 |
| 20 G | 0.9 | 20 | 50 | 04439937 |
| 20 G | 0.9 | 25 | 50 | 04439945 |
| 20 G | 0.9 | 35 | 50 | 04434862 |
| 22 G | 0.7 | 15 | 50 | 04439813 |
| 22 G | 0.7 | 20 | 50 | 04439821 |
| 22 G | 0.7 | 25 | 50 | 04439830 |
| 22 G | 0.7 | 35 | 50 | 04434870 |

### Straight Surecan® non-coring needle

- use for bolus injection or flushing of the Access Port
- latex-, PVC- and DEHP-free

| Size | Cannula diameter (mm) | Cannula length (mm) | Sales unit-pcs. | Reference |
|---|---|---|---|---|
| 20 G | 0.9 | 40 | 100 | 04439953 |
| 20 G | 0.9 | 70 | 100 | 04439998 |
| 20 G | 0.9 | 90 | 100 | 04440000 |
| 22 G | 0.7 | 30 | 100 | 04439848 |
| 24 G | 0.55 | 25 | 100 | 04439414 |

# Celsite® Access Port Systems

## RECOMMENDED MAXIMUM FLOW RATES (ML/S)

with Surecan® Safety II, Angled Surecan® needle and Winged Surecan® needle without Y-site (except Celsite® Safety)


Recommended maximum flow rates (mL / s) with a catheter of 20 cm and contrast media at 37° C (98.6 F)

| | | Viscosity 5,8 mPa.s (cP)** [4] | | | Viscosity 11,4 mPa.s (cP)** [5] | | |
|---|---|---|---|---|---|---|---|
| | | Winged / Angled Surecan® needle [7] / Surecan® Safety II | | | Winged / Angled Surecan® needle [7] / Surecan® Safety II | | |
| | | 22 G | 20 G | 19 G | 22 G | 20 G | 19 G |
| **Baby Size Port** | Babyport® | 2 | 4 | - | 2 | 3 | - |
| | Brachial | 2 | 5 | - | 2 | 4 | - |
| | Babyport® S | 2 | 5 | - | 2 | 5 | - |
| **Double port [9]** | ST405L | 2 | 5 | 8 | 2 | 5 | 7 |
| | ST401L | 2 | 5 | 8 | 2 | 6 | 9 |
| **Small Size Port [10]** | ST305C | 2 | 5 | 7 | 2 | 5 | 6 |
| | STL205P - STR205P - ST305P – ST205P – BT305P | 2 | 5 | 8 | 2 | 5 | 6 |
| | T/ST305 - T/ST205 - SNT305F - ST315 - ST215-T/ST205F ECG - SNT215F - STL205F - STR205F | 2 | 5 | 8 | 2 | 5 | 6 |
| | ST305L - T/ST205ECG - ST205L - ST315L | 2 | 5 | 8 | 2 | 5 | 7 |
| | ST305H - ST205H | 2 | 6 | 9 | 2 | 5 | 8 |
| **Standard Size Port [11]** | ST301C - ST201C - ST301OTW | 2 | 5 | 6 | 2 | 5 | 6 |
| | T/ST301P - ST201P - BT301P | 2 | 5 | 7 | 2 | 5 | 6 |
| | T/ST201F - T/ST201F ECG - SNT201F - T/ST301F - ST311F - SNT301F | 2 | 6 | 7 | 2 | 6 | 8 |
| | T/ST201 - T/ST201ECG - T/ST301-ST311 - STL201L - STR201L | 2 | 6 | 7 | 2 | 6 | 9 |
| | ST201H - T/ST301H - ST311H - STL201H - STR201H | 2 | 6 | 8 | 2 | 7 | 9 |
| | ST301G - ST201G | 2 | 6 | 9 | 2 | 6 | 8 |

Recommended maximum pressure (CT function) - 325 psi (22.4 bar)
Flow rates may vary depending on temperature of contrast media and length of the implanted catheter.
Flow rates established with a catheter of 20 cm.

# Celsite® Access Port Systems

## PORTFOLIO OVERVIEW AND TYPE DECLARATION

| Indication | Catheter | OD | Catheter material | Access Port type | Dead volume port | Dead volume catheter (mL/cm) |
|---|---|---|---|---|---|---|
| Venous | Small catheters | 5 F | Polyurethane | ST201C | 0.50 mL | 0.010 mL |
| | | | | ST301C, ST301OTW | | |
| | | | | ST305C | 0.25 mL | |
| | | | | 4430263, 4438604 | 0.33 mL | |
| | | | | 4438647 | 0.15 mL | |
| | | | | SST605C | 0.30 mL | 0.009 mL |
| | | 6.5 F | Polyurethane | ST201P, T301P, ST301P | 0.50 mL | 0.015 mL |
| | | | | ST305P, STL205P, STR205P | 0.25 mL | |
| | | | | T601P, SST601P | 0.50 mL | |
| | | | | SST605P | 0.30 mL | |
| | | 6 F | Silicone | 4438704 (Implantofix®) | 0.33 mL | 0.011 mL |
| | | | | 4438747 (Implantofix®) | 0.15 mL | |
| | | 6.5 F | Silicone | T201F, ST201F, T301F, ST301F, ST311F*, ST201F ECG | 0.50 mL | 0.008 mL |
| | | | | T205, ST205, ST215*, T305, ST305, ST315* | 0.25 mL | |
| | | | | T601F, SST601F | 0.50 mL | 0.009 mL |
| | | | | T605F, SST605F | 0.30 mL | |
| | Large and high flow catheters | 8.5 F | Silicone | T201, ST201, T301, ST301, ST311*, STL201L, STR201L | 0.50 mL | 0.010 mL |
| | | | | ST305L | 0.25 mL | |
| | | | | T601L, SST601L | 0.5 mL | 0.011 mL |
| | | | | SST605L | 0.3 mL | |
| | | 8.5 F | Polyurethane | ST201H, T301H, ST301H, ST311H*, STL201H, STR201H | 0.50 mL | 0.020 mL |
| | | | | ST305H | 0.25 mL | |
| | | | | T601H, SST601H | 0.50 mL | |
| | | | | SST605H | 0.3 mL | |
| | | 10 F | Silicone | ST201G, ST301G | 0.50 mL | 0.020 mL |
| | | | | SST601G | 0.50 mL | |
| Speciality venous | Small catheters | 4.5 F | Polyurethane | Babyport® | 0.15 mL | 0.005 mL |
| | | 5 F | Polyurethane | Brachial | 0.15 mL | 0.010 mL |
| | | 6 F | Silicone | Babyport® S | 0.15 mL | 0.011 mL |
| | | 6.5 F | Silicone | STR205F, STL205F, ST205F ECG | 0.25 mL | 0.008 mL |
| | Large and high flow catheters | 8.5 F | Silicone | STR201L, STL201L, ST201 ECG | 0.50 mL | 0.010 mL |
| | | | | ST205ECG | 0.25 mL | |
| | Valved catheters | 7.5 F | Silicone | ST301V | 0.50 mL | 0.018 mL |
| | | | | ST305V | 0.25 mL | |
| | Double port catheters | 10 F | Silicone | ST401L | 0.50 mL x 2 | 0.013 mL |
| | | | | ST405L | 0.25 mL x 2 | |
| Other specia-lities | Small arterial catheters | 5 F | Polyurethane | 4438817 | 0.33 mL | 0.010 mL |
| | | 6.5 F | Silicone | T302 | 0.50 mL | 0.008 mL |
| | Peritoneal catheters | 15 F | Silicone | T203J, T203J-1 | 0.50 mL | 0.053 mL |
| | Spinal/epidural catheters | 19 G | Polyamide and polyurethane | ST304-19 | 0.33 mL | 0.003 mL |
| | | 20 G | | ST304-20 | | 0.002 mL |

* Pre-connected Access Port Systems

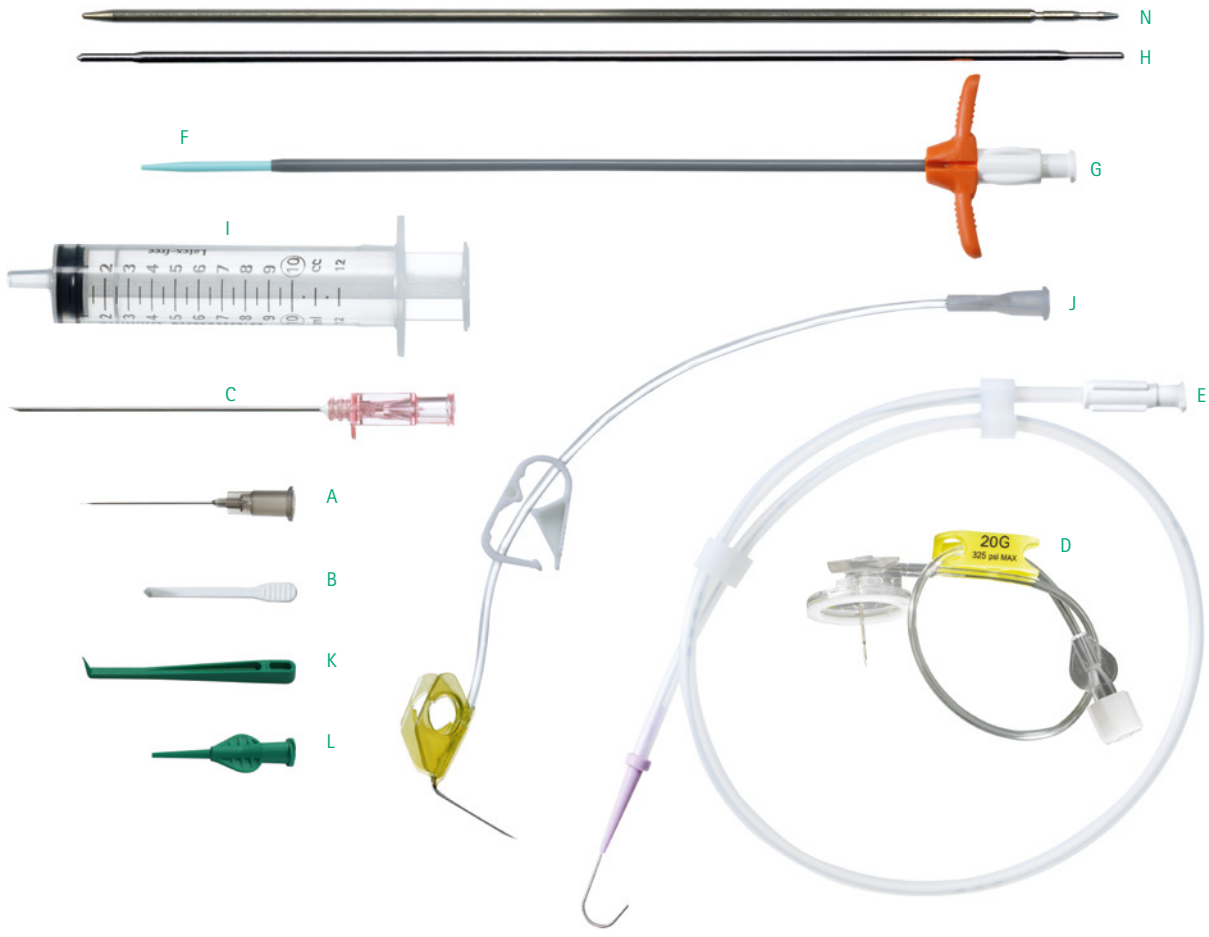
### Type Declaration:

| Accessories | Exit Cannula Orientation | Housing Material / Suture Holes | Connection | Indication | Catheter | Technique |
|---|---|---|---|---|---|---|
| SST = Safety Seldinger Equipment | R = right cannula exit | 2 = Epoxy housing | 0 = w. separate connection rings | 1= Venous (std) | C = PUR; 5F | OTW = Over the Wire |
| ST = Seldinger Equipment | L = left cannula exit | 3 = PSU housing w. empty suture holes | 1 = pre connected | 2= Arterial | F = Si; 6.5F | ECG = ECG implantation technique |
| T = Surgical Cut-Down | | 4 = Epoxy Double housing | | 3= Peritoneal & pleural | L = Si; 8.5F | |
| | | 5 = PSU housing w. Silicone suture areas | | 4= Spinal | P = PUR; 6.5F | |
| | | 6 = PEEK housing w. suture holes | | 5= Venous (small) | H = PUR; 8.5F | |
| | | 7 = PEEK housing with silicone plugs | | | G = Si; 10F | |
| | | | | | V = Si Valved; 7.5F | |

# Accessories

## Venous accessories

| | | Implantation technique | Percutaneous | | | | |
|---|---|---|---|---|---|---|---|
| | | | Seldinger | | OTW | | Seldinger |
| Pieces | | Kit designation | Kit 1 | Kit 12 | Kit 3 | Kit 13 | Kit 2 |
| 2 | A | Straight Surecan® needles | 22 G x 30 mm | 22 G x 30 mm | 22 G x 30 mm | 22 G x 30 mm | 22 G x 30 mm |
| 1 | B | Vein lifter | x | x | x | x | x |
| 1 | C | Puncture needle | 18 G x 70 mm | 18 G x 70 mm | 18 G x 70 mm | 18 G x 70 mm | 18 G x 70 mm |
| 1 | E | J guide wire with dispenser | 0.035" x 50 cm | 0.035" x 50 cm | 0.035" x 70 cm | 0.035" x 70 cm | 0.035" x 50 cm |
| 1 | F | Dilator | | | 6F x 100 mm | 6F x 100 mm | |
| 1 | G | Tear-away introducer | L 180/140 mm | L 180/140 mm | | | L 180/140 mm |
| 1 | H | Tunnelling rod | x | x | x | x | x |
| 1 | I | Omnifix luer syringe | 10 mL | 10 mL | 10 mL | 10 mL | 10 mL |
| 1 | J | Winged Surecan® needle | 20 G x 20 mm | | 20 G x 20 mm | | 20 G x 20 mm |



# Accessories

## Venous accessories

| | | Implantation technique | Surgical Cut-down | | Percutaneous | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | ECG | OTW | Seldinger | | ECG |
| Pieces | | Kit designation | Kit 6 | Kit 14 | Kit 10 (Brachial) | Kit 4 (Baby) | Kit 5 (Baby) | Kit 9 |
| 2 | A | Straight Surecan® needles | 22 G x 30 mm | 22 G x 30 mm | 22 G x 30 mm | 22 G x 30 mm | 22 G x 30 mm | 22 G x 30 mm |
| 1 | B | Vein lifter | x | x | x | x | x | x |
| 1 | C | Puncture needle | | | 18 G x 70 mm | 20 G x 50 mm | 18 G x 70 mm | 18 G x 70 mm |
| 1 | | Introcan needle | | | | 20 G x 32 mm | | |
| 1 | E | J guide wire with dispenser | | 0.035" x 70 cm | 0.035" x 150 cm | 0.025" x 50 cm | 0.035" x 50 cm | 0.035" x 70 cm |
| 1 | F | ECG cable | | x | | | | x |
| 1 | G | Tear-away introducer/ Dilator | | | L 180/140 mm | L 80/50 mm | L 180/140 mm | 180/140 mm |
| 1 | H | Tunnelling rod | | | x | x | x | x |
| 1 | I | Omnifix luer syringe | | 10 mL | 10 mL | 10 mL | 10 mL | 10 mL |
| 1 | J | Winged Surecan® needle | | | 22 G x 15 mm | 22 G x 15 mm | 22 G x 15 mm | 20 G x 20 mm |

## Separate accessory kits

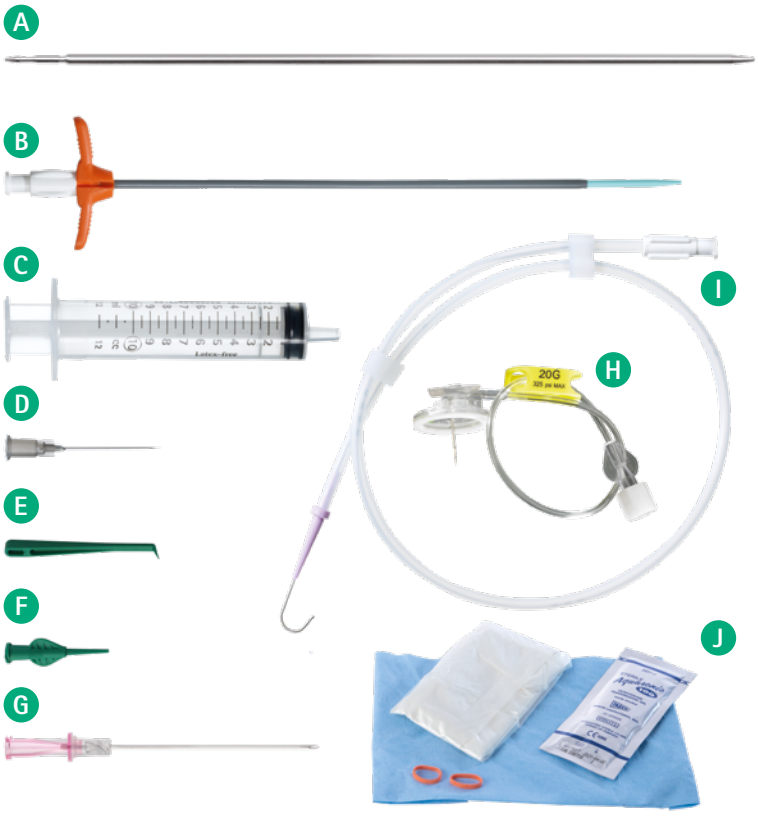
| | | Reference | 04430483 | 04430484 | 04430492 | 04430493 |
|---|---|---|---|---|---|---|
| Pieces | | Kit designation | AP 6F | AP 7F | AP 9F | AP 16F |
| 1 | C | Puncture needle | 20 G x 50 mm | 18 G x 70 mm | 18 G x 70 mm | 18 G x 70 mm |
| 1 | | Introcan needle | 20G x 32 mm | | | |
| 1 | E | J guide wire with dispenser | 0.025" x 50 cm | 0.035" x 50 cm | 0.035" x 50 cm | 0.035" x 40 cm |
| 1 | G | Tear-away introducer/ Dilator | 6F, short (80/50 mm) | 7F x180/140 mm | 9F x180/140 mm | 16F with dilator 12F-14F |
| 1 | H | Tunnelling rod | x | x | x | x |
| 1 | B | Vein lifter | x | x | x | |
| 1 | I | Omnifix luer syringe | 10 mL | 10 mL | 10 mL | 10 mL |
| 1 | J | Winged Surecan® needle | 22 G x 15 mm | 20 G x 20 mm | 20 G x 20 mm | 19 G x 25 mm |

# Accessories

| Celsite® Safety accessory kits | | | | |
|---|---|---|---|---|
| | **Implantation technique** | **Seldinger** | **Surgical cut-down** | **Seldinger (SNT)** |
| | Kit Designation | Kit 7 | Kit 8 | Kit 11 |
| A | Tunnelling Rod | ✔ | - | ✔ |
| B | Tear-away Introducer | L 180/140 mm | - | L 180/140 mm |
| C | Omnifix® Luer Syringe | 10 mL | - | 10 mL |
| D | Straight Surecan® | 22 G x 30 mm | 22 G x 30 mm | 22 G x 30 mm |
| E | Vein Lifter | ✔ | ✔ | ✔ |
| F | Rinsing Hub | ✔ | ✔ | ✔ |
| G | Safecan™ Safety - Puncture Needle | 18 G x 70 mm | - | 18 G x 70 mm |
| H | Surecan® Safety II | 20 G x 20 mm | - | - |
| I | J Guide Wire with Dispenser | 0.035" x 50 cm | - | 0.035" x 50 cm |
| J | Ultrasound Cover | - | - | 1 US Probe (127 x 1473,2 mm), 1 Gel, 2 Orange Fixation Rings, Pouch |

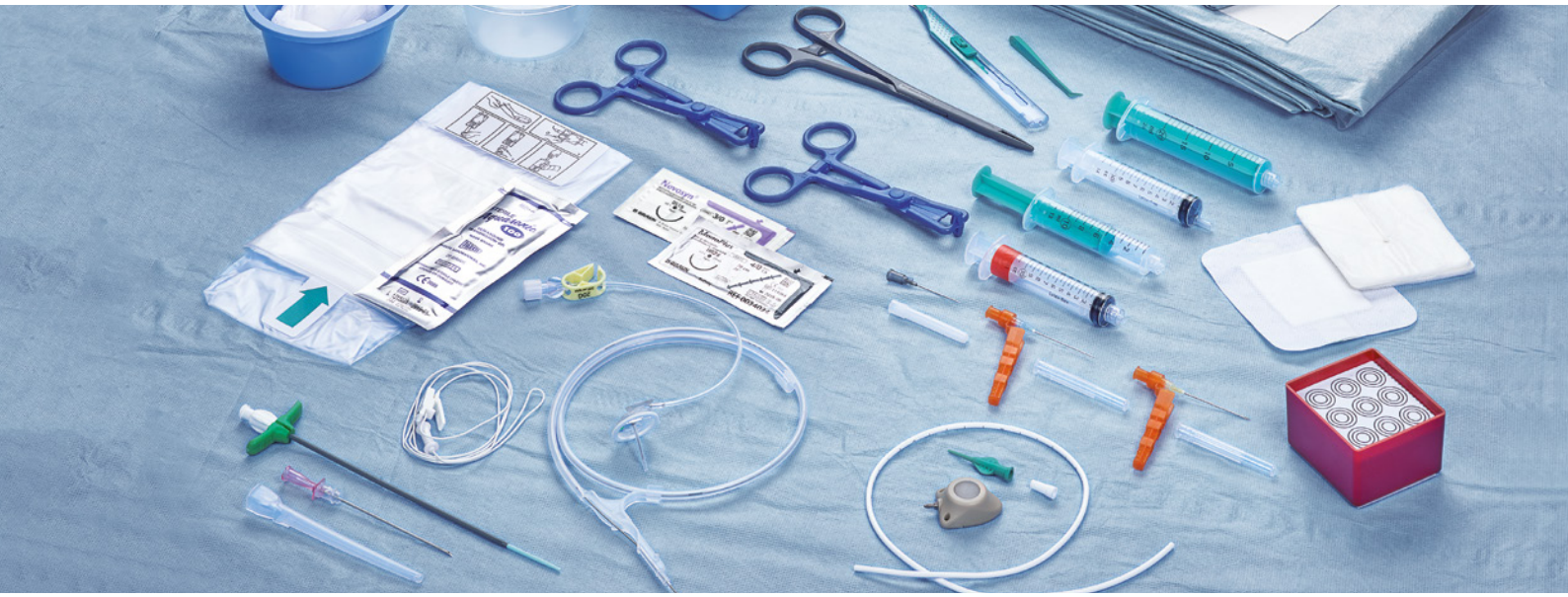
## ACCESSORIES

- **A** Tunneling rod for easy catheter tunneling
- **B** Peelable introducer sheath with dilatator for easy percutaneous access
- **C** Omnifix® Luer Syringe
- **D** 1 Surecan® Straight for flushing, aspiration and local anesthesia
- **E** Long vein lifter allows easy handling
- **F** Separate Rinsing Hub for more flushing flexibility during implantation
- **G** Safecan™ Safety - Safety Echogenic Vein Puncture Needle
- **H** Surecan® Safety II - Safety Port Needle
- **I** Stainless Steel guidewire with flexible J-tip
- **J** Ultrasound Cover



# Customized Access Port Kits

INDIVIDUAL COMPLETE SOLUTION FOR PORT IMPLANTATIONS



Customized Access Port Kits – Combination of a sterile Access Port & individual components in one pouch for standardized procedures.

All components in one pouch means:

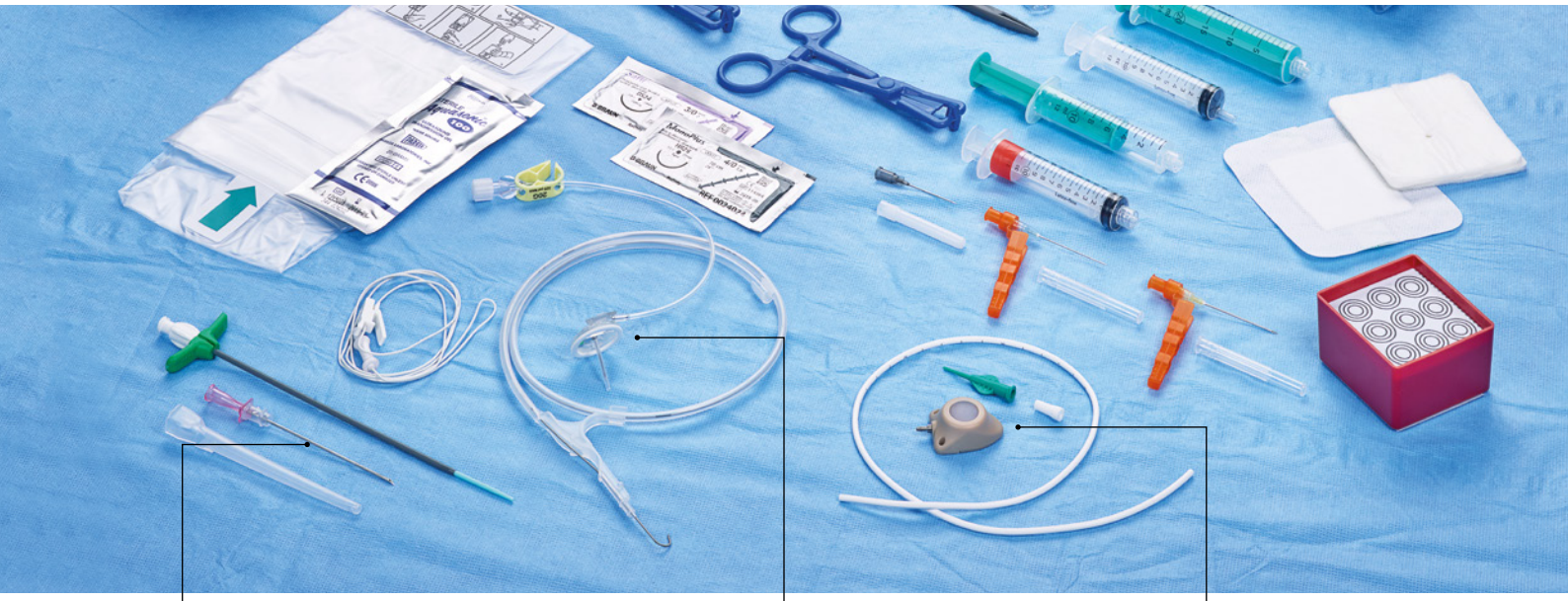
- Simplifying and shortening the preparation time for a more efficient port implantation*
- Reducing packaging waste in the hospital and facilitating the storage
- Safety components designed to minimize the risk of needle stick injuries according to the EU directive 2010/32/EC
- B. Braun's well known experience and quality as kit provider for customized solutions

## ANALYSE PROCESSES - FINDING SOLUTIONS

* Data on file at B. Braun

# Standard Access Port Kits

THE CELSITE®, SURECAN® AND SAFECAN™ FAMILY



## Safecan™ Safety - Safety Puncture Needle

- Safety mechanism to reduce the risk of needle stick injuries
- Echogenic puncture needle for needle tip location via ultrasound


## Surecan® Safety II - Safety Port Needle

- Intuitive safety mechanism to reduce the risk of needle stick injuries
- High pressure resistance up to 325 psi


## Celsite® Safety - Venous Access Ports without any compromise on safety

- PEEK material (Polyetheretherketone) for high chemical resistance and excellent durability
- Extra large septum diameter for easy puncturing
- Titanium bottom plate for high puncture resistance
- Anatomic design with a low profiled nose simplifies the insertion and allows the creation of a small port pocket

## IN COMPLIANCE WITH EU DIRECTIVE 2010/32/EC

# Standard Access Port Kits

## TOTALLY EQUIPPED SOLUTION

The Standard Access Port Kits offer an entire solution for the Access Port implantation with a single sterile packed Access Port and standard accessories included.

| Reference | Type | Port description | Implantation technique |
|---|---|---|---|
| 5400005 | Complete Seldinger Kit T605F | Celsite® Safety Small 6.5 F silicone catheter | Seldinger |
| 5400010 | Complete Seldinger Kit T601H | Celsite® Safety Standard 8,5 F polyurethane catheter | Seldinger |
| 5400015 | Complete Surgical Kit T601F | Celsite® Safety Standard 6.5 F silicone catheter | Surgical cut-down |

## The following accessories are included in the Standard Access Port Kit configurations:

### Skin disinfection

1 SUSI® sponge forceps, 200 mm
5 Gauze swabs, plum size

### Cover

1 Cover drape, 148 x 240 cm
1 Cover drape, 173 x 180 cm
2 Cover drapes sidewise, 75 x 100 cm
1 Cover drape, 150 x 170 cm
1 Cover drape transparent, adhesive 110 x 120 cm
1 Cover drape, 140 x 150 cm (packaging drape)

### Compresses and swabs

30 Gauze compresses with x-ray strips, 12-ply, 10 x 10 cm
5 Gauze swabs, plum size with x-ray strips
2 Askina® PAD S compresses with slit, 7.5 x 7.5 cm

### Bowls and syringes

1 Bowl 250 ml, transparent
2 Bowls 500 ml, blue
1 3-Pocket tray, 24 x 25 x 5 cm, blue
2 Syringes Omnifix® 20 ml, Luer Lock
2 Syringes Omnifix® 10 ml, Luer Lock
2 Syringes Injekt 20 ml, Luer Slip

### Scapels and needles

1 Safety scalpel Fig. 11
1 Safety scalpel Fig. 15
1 Hypodermic Needle Pro® 0.6 x 38 mm, 23 G
1 Hypodermic Needle Pro® 0.9 x 38 mm, 20 G
1 Surecan® Safety II port needle 20 G x 20 mm
1 Needle collector box

### Sutures and wound dressing

1 Novosyn® uncolored 3/0 (2) 45 cm, DS19 (M)
1 Monoplus® violet 4/0 (1,5) 70 cm, HR26 (M)
1 Askina® strips, 12 x 102 mm (1 piece = 6 strips)
1 Askina® Soft patch, 9 x 10 cm

### Miscellaneous

2 Coats, size XL
2 Universal clamps (model Kiel)
1 Table bag, 80 x 144 cm
1 Lamp cover
1 Suction bag

### Further Seldinger equipment

1 Safety puncture needle, 18 G x 70 mm, echogenic *
1 Intradyn® peelable introducer, 7 F / 9 F *
1 Guidewire J3, 50 cm, 0.035", marked each 10 cm *
1 Tunneling rod *

* not included in surgical cut-down Standard Access Port Kits

# Customized Access Port Kits

## ACCESS PORT PORTFOLIO

Wide range of silicone and PUR catheters as well as two different port sizes, standard and small, for the configuration of your individual Access Port Kit. Choose additionally out of more than 3000 accessories for a customer-adapted creation.

| | 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)** | | | Type | Reference |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Viscosity up to 11.4 mPa.s (cP) | | | | |
| | | | | | 19 G | 22 G | 22 G | 20 G | 19 G | | |
|  | **Celsite® Safety Standard** | | | | | | | | | | |
| | Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | T601F | 4437556K |
| | Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | T601L | 4437573K |
| | PUR | 6.5 / 2.1 | 1.4 | 500 | 37 | 12 | 2 | 5 | 5 | T601P | 4437565K |
| | PUR | 8.5 / 2.8 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | T601H | 4437581K |
| | **Celsite® Safety Small** | | | | | | | | | | |
| | Silicone | 6.5 / 2.2 | 1.1 | 500 | 26 | 10 | 2 | 5 | 5 | T605F | 4437758K |
|  | Silicone | 8.5 / 2.8 | 1.2 | 500 | 34 | 11 | 2 | 5 | 5 | T605L | 4437780K |
| | PUR | 6.5 / 2.1 | 1.4 | 500 | 37 | 12 | 2 | 5 | 5 | T605P | 4437768K |
| | PUR | 8.5 / 2.8 | 1.6 | 500 | 48 | 12 | 2 | 5 | 5 | T605H | 4437773K |
| | **Celsite® PSU Standard** | | | | | | | | | | |
|  | Silicone | 6.5 / 2.2 | 1.0 | 800 | 26 | 10 | 2 | 6 | 8 | T301F | 04430000K |
| | Silicone | 8.5 / 2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 9 | T301 | 04430018K |
| | PUR | 8.5 / 2.8 | 1.6 | 800 | 45 | 12 | 2 | 7 | 9 | T301H | 04432452K |
| | **Celsite® PSU Small** | | | | | | | | | | |
|  | Silicone | 6.5 / 2.2 | 1.0 | 800 | 24 | 10 | 2 | 5 | 6 | T305 | 04436903K |
| | **Celsite® Epoxy Standard** | | | | | | | | | | |
|  | Silicone | 6.5 / 2.2 | 1.1 | 800 | 26 | 10 | 2 | 6 | 8 | T201F | 04430034K |
| | Silicone | 8.5 / 2.8 | 1.1 | 800 | 28 | 13 | 2 | 6 | 9 | T201 | 04430026K |
| | **Celsite® Epoxy Small** | | | | | | | | | | |
|  | Silicone | 6.5 / 2.2 | 1.0 | 800 | 24 | 10 | 2 | 5 | 6 | T205 | 04430085K |

PVC FREE | LATEX FREE | DEHP FREE

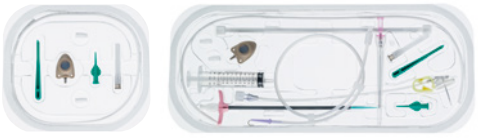
* Gravity infusion of saline (0.9%) through a 22G respectively 19G needle from a height difference of 1 m and a catheter length of 40 cm. According to ISO10555-1

** Flow rates determined according to ISO 10555-6 with a catheter of 20 cm and Surecan® Safety II 20 mm needle

# Premium Solution Concepts

VARIOUS OPTIONS

Using B. Braun Premium Solution Concepts means to design Customized Access Port Kits for implantation procedures. Components can be added or removed to create your individual and complete solution.



**Celsite® Access Ports**

Comprehensive portfolio
for all indications

**Add-on Kits**

Standard and customized Add-on Kits
to simplify the port implantation

## Indication Related Solutions for Access Ports

**Customized Access Port Kits**

Access Port with individual accessories
in a pouch for customer-related
implantation procedures


**Box concept**

Access Port & Add-on Kit in a
shipping box: A modular solution

**Standard Access Port Kits**

Access Port with standard accessories
in a pouch for enhanced procedures

Please contact your B. Braun consultant for your individual Access Port Kit or send an email to vascular.systems@bbraun.com.

NOTES

Distributor
B. Braun Melsungen AG | Vascular Systems | Sieversufer 8 | 12359 Berlin | Germany
Phone +49 30 568 207-300 | Fax +49 30 568 207-130 | www.bbraun.com

Manufacturer acc. to MDD 93/42
B. Braun Médical | 26, rue Armengaud | 92210 Saint-Cloud | France
Tél +33 (0) 1 41 10 53 00 | Fax +33 (0) 1 41 10 53 99 | www.bbraun.fr



6050179 1022/PDF/4