

SOLOPORT™ SUBCUTANEEOUS ACCESS PORTS

The SoloPort represents over twenty years of experience in port design, service, innovation, and hands-on use in research. The port has evolved from an intravascular access port into a multi-purpose access port for intestinal, biliary, spinal, cranial, ventricular, and other applications.

SoloPorts come in a variety of configurations for most species and catheter sizes, including the MICRO, the smallest top-access mouse port available. The ports are made from the highest quality biomaterials. The MICRO is made of stainless steel; the MIN and MID sizes are available in either titanium or plastic; the MAX is made of titanium.

Each port includes a catheter which can be pre-attached by Instech Solomon or, for 3Fr and larger, attached intraoperatively by the surgeon. SoloPort catheters are also available with CBAS® heparin coating for optimal hemocompatibility.



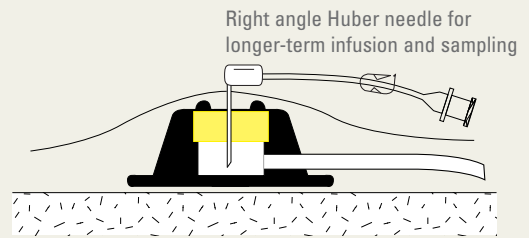
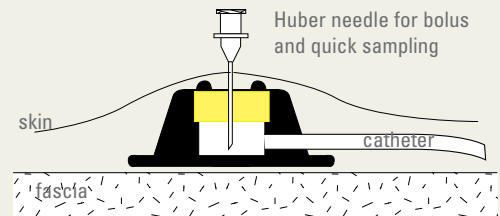
WHY USE A PORT?

Ports are totally implanted catheter devices which do not exit through the animal's skin. There is little concern about the animal disturbing the port, thereby obviating the need for a jacket or other protective apparatus. Because there is no chronic exit site wound, infection risks associated with ports are considerably lower than with external catheters. The use of ports has provided many new research opportunities, and it represents a refined technique which has reduced animal use and minimized stress.

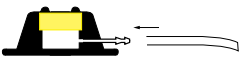
The port was originally intended for intermittent bolus infusions and periodic sampling and access, but it is now widely used in protracted and continuous infusions.

PORT ADVANTAGES

- Decreased infections
- No externalized components
- Jacket/harness not required
- Permits common housing



SOLOPORT™ FEATURES



Attachable Catheter Option. Generally preferred because the catheter can be tunneled from the vessel to the port pocket during surgery and the proximal end can be trimmed to size, preserving the rounded distal tip.



Pre-attached Catheter Option. Requires one less step during surgery, eliminating some risk of user error, but the catheter can be trimmed from the distal end only. The 1Fr and 2Fr catheters must be pre-attached.



Securement Boot. Titanium SoloPorts and PMIDs with attachable catheters include a molded silicone rubber securement boot for strain relief, a feature common in human-use ports. Boots are supplied to match the catheter size. The boot offers an improvement over the old attachment sleeve as it is easier to grip and move, and it provides greater compression.

SOLOPORT™ SUBCUTANEOUS ACCESS PORTS

Specifications

	MICRO	PMIN	MIN	PMID	MID	MAX
Body material	stainless steel	polysulfone	titanium	polysulfone	titanium	titanium
Height	.175in (4.4mm)	.275in (7.0mm)	.275in (7.0mm)	.395in (10.0mm)	.395in (10.0mm)	.460in (11.7mm)
Weight	1.4g	2.6g	2.9g	3.1g	6.7g	10.4g
Dead volume	.03ml	.13ml	.13ml	.38ml	.38ml	.65ml
Catheter sizes	1.2Fr	2-7Fr	3-7Fr	3-7Fr	3-7Fr	3-7Fr
Sterilization	EtO	EtO, steam ¹	EtO, steam ¹	EtO, steam ¹	EtO, steam ¹	EtO, steam ¹

Applications

Mouse	•					
Rat		•				
Ferret		•	•			
Rabbit				•	•	
NHP (<4kg)			•			
NHP (>4kg)				•	•	
Dog (<14kg)				•	•	
Dog (>14kg)				•	•	•
Pig						•

Ordering Information

CBAS Heparin-Coated PU (attachable)		PMINA-CBAS-C30 PMINA-CBAS-C35 PMINA-CBAS-C50 PMINA-CBAS-C70	MINA-CBAS-C30 MINA-CBAS-C35 MINA-CBAS-C50 MINA-CBAS-C70	PMIDA-CBAS-C30 PMIDA-CBAS-C35 PMIDA-CBAS-C50 PMIDA-CBAS-C70	MIDA-CBAS-C30 MIDA-CBAS-C35 MIDA-CBAS-C50 MIDA-CBAS-C70	MAXA-CBAS-C30 MAXA-CBAS-C35 MAXA-CBAS-C50 MAXA-CBAS-C70
Polyurethane (attachable)		PMINA-PU-C30 PMINA-PU-C35 PMINA-PU-C50 PMINA-PU-C70	MINA-PU-C30 MINA-PU-C35 MINA-PU-C50 MINA-PU-C70	PMIDA-PU-C30 PMIDA-PU-C35 PMIDA-PU-C50 PMIDA-PU-C70	MIDA-PU-C30 MIDA-PU-C35 MIDA-PU-C50 MIDA-PU-C70	MAXA-PU-C30 MAXA-PU-C35 MAXA-PU-C50 MAXA-PU-C70
Silicone (attachable)		PMINA-SIL-C30 PMINA-SIL-C35 PMINA-SIL-C50 PMINA-SIL-C70	MINA-SIL-C30 MINA-SIL-C35 MINA-SIL-C50 MINA-SIL-C70	PMIDA-SIL-C30 PMIDA-SIL-C35 PMIDA-SIL-C50 PMIDA-SIL-C70	MIDA-SIL-C30 MIDA-SIL-C35 MIDA-SIL-C50 MIDA-SIL-C70	MAXA-SIL-C30 MAXA-SIL-C35 MAXA-SIL-C50 MAXA-SIL-C70
Silicone Intestinal (attachable)					MIDA-SIL-C70-INT	MAXA-SIL-C70-INT
CBAS Heparin-Coated PU (pre-attached)		PMINP-CBAS-C30 PMINP-CBAS-C35 PMINP-CBAS-C50 PMINP-CBAS-C70	MINP-CBAS-C30 MINP-CBAS-C35 MINP-CBAS-C50 MINP-CBAS-C70	PMIDP-CBAS-C30 PMIDP-CBAS-C35 PMIDP-CBAS-C50 PMIDP-CBAS-C70	MIDP-CBAS-C30 MIDP-CBAS-C35 MIDP-CBAS-C50 MIDP-CBAS-C70	MAXP-CBAS-C30 MAXP-CBAS-C35 MAXP-CBAS-C50 MAXP-CBAS-C70
Polyurethane (pre-attached)	MICP-PU-C10 ²	PMINP-PU-C30 PMINP-PU-C35 PMINP-PU-C50 PMINP-PU-C70	MINP-PU-C30 MINP-PU-C35 MINP-PU-C50 MINP-PU-C70	PMIDP-PU-C30 PMIDP-PU-C35 PMIDP-PU-C50 PMIDP-PU-C70	MIDP-PU-C30 MIDP-PU-C35 MIDP-PU-C50 MIDP-PU-C70	MAXP-PU-C35 MAXP-PU-C50 MAXP-PU-C70
Silicone (pre-attached)		PMINP-SIL-C20 ² PMINP-SIL-C30 PMINP-SIL-C35 PMINP-SIL-C50	MINP-SIL-C30 MINP-SIL-C35 MINP-SIL-C50 MINP-SIL-C70	PMIDP-SIL-C30 PMIDP-SIL-C35 PMIDP-SIL-C50 PMIDP-SIL-C70	MIDP-SIL-C30 MIDP-SIL-C35 MIDP-SIL-C50 MIDP-SIL-C70	MAXP-SIL-C30 MAXP-SIL-C35 MAXP-SIL-C50 MAXP-SIL-C70

Catheters feature rounded distal tip unless otherwise noted. C10=1Fr, C20=2Fr, C30=3Fr, C35=3.5Fr, C50=5Fr, C70=7Fr.

¹CBAS® and PU catheters can be sterilized only by EtO at Instech Solomon. ²Catheter has a bevel tip. SoloPort is a trademark of Solomon Scientific.

🌐 <http://www.instechlabs.com/Infusion/ports/>

PORTHOLD™ SUBCUTANEOUS ACCESS PORTS NEW

PORTHOLD™ The problem of needle dislodgement from ports is as old as ports themselves. In studying the problem, we discovered that it is the lateral forces, such as the jacket rubbing over the needle, or the animal rubbing against cage bars, that cause most needle dislodgements.

Our solution is the PortHold™. The patent-pending technology involves a titanium plate with an array of precision holes, which is molded into the septum. Access the port with a non-coring needle in a manner similar to that used with standard ports. The needle slides easily through the holes. However, when lateral forces tug on the needle, the plate holds it in place.

The ports have performed well in dogs and nonhuman primates during long-term ambulatory infusions.

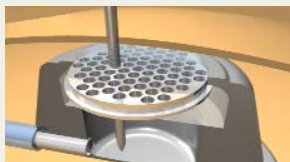
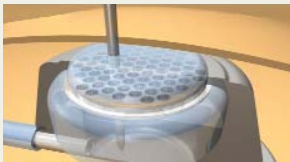


Patent pending

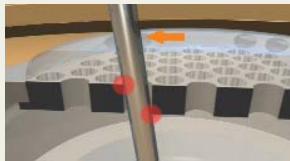
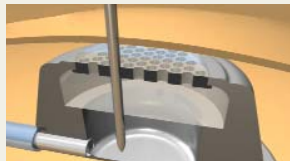
Part No. 3.5Fr cath	5Fr catheter	7Fr catheter	Description
HMIDA-PU-C35	HMIDA-PU-C50	HMIDA-PU-C70	MID PortHold™ with attachable PU catheter x 60cm
HMIDA-CBAS-C35	HMIDA-CBAS-C50	HMIDA-CBAS-C70	MID PortHold™ with attachable CBAS® catheter x 60cm
HMIDA-SIL-C35	HMIDA-SIL-C50	HMIDA-SIL-C70	MID PortHold™ with attachable SIL catheter x 60cm

<http://www.instechlabs.com/Infusion/ports/porthold.php>

THE HOLES HOLD TO PREVENT NEEDLE DISLODGMET



The PortHold design is identical to a conventional port with the exception of a 1mm thick titanium plate molded into the silicone septum.



Each septum hole is just slightly larger than the 22ga pencil point needle used to access it. When the needle is tugged to the side, the plate edges grab it, as shown in this exaggerated view.

Specifications

Body and plate material	Titanium
Height	0.395in (10.0mm)
Weight	6.9g
Dead volume	0.38ml
Catheter sizes	3.5-7 Fr
Sterilization	EtO, steam ¹

¹ CBAS and PU catheters can be sterilized by EtO only.

PortHold™ Non-Coring Needle Sets



The tips of these needles sets are specially designed to access Instech Solomon's PortHold™ ports. The sets include PVC tubing, a female luer and a mini-clamp. The SOFTEE™ hub is designed to increase animal comfort and improve grip. Use the SN22 needle (opposite page) for direct flushing with a syringe.

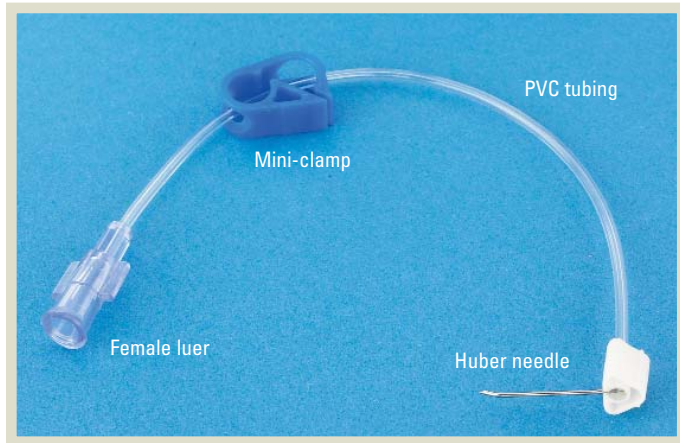
Part No.	Needle Size	Needle Length	Tubing Length
HSRA22563-6	22ga	9/16" (1.4cm)	6" (15cm)
HSRA22563-12	22ga	9/16" (1.4cm)	12" (30cm)
HSRA22625-6	22ga	5/8" (1.6cm)	6" (15cm)
HSRA22625-12	22ga	5/8" (1.6cm)	12" (30cm)

Provided sterile in packages of 12. Sets include female luer and mini-clamp.

<http://www.instechlabs.com/Infusion/ports/pencil.php>

HUBER NEEDLES AND SETS

SOFTEE™ Right Angle Huber Needle Infusion Set



The SOFTEE™ Huber right angle infusion set is an innovation intended to provide a softer needle base for contact with an animal's skin and to offer an enhanced gripping surface for ease of insertion and removal.

The special "flexible delta" design of the SOFTEE Huber base provides a compact improvement on the "wings" design commonly seen in butterfly IV needle sets. The flexible needle block material combined with the special knurling near the top of the flexible delta enhances the researcher's grip during insertion and removal of the SOFTEE Huber.

All Instech Solomon Huber needles and sets feature the lower profile B-bevel grind on the tip.



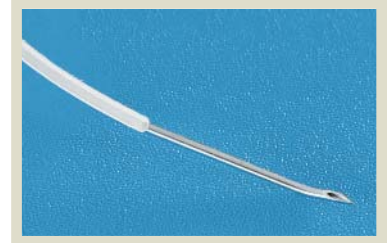
Part No.	Needle Size	Needle Length	Tubing Length
SHNRA22500-6	22ga	1/2" (1.3cm)	6" (15cm)
SHNRA22500-12	22ga	1/2" (1.3cm)	12" (30cm)
SHNRA22500-24	22ga	1/2" (1.3cm)	24" (61cm)
SHNRA22625-6	22ga	5/8" (1.6cm)	6" (15cm)
SHNRA22625-12	22ga	5/8" (1.6cm)	12" (30cm)
SHNRA22625-24	22ga	5/8" (1.6cm)	24" (61cm)
SHNRA22750-6	22ga	3/4" (1.9cm)	6" (15cm)
SHNRA22750-12	22ga	3/4" (1.9cm)	12" (30cm)
SHNRA22750-24	22ga	3/4" (1.9cm)	24" (61cm)

Provided sterile in packages of 12. Sets include female luer and mini-clamp. Add "NC" to the end of the part number to order without a clamp (e.g., SHRNA-22500-6NC). Custom PVC tubing lengths available. SOFTEE is a trademark of Solomon Scientific.

<http://www.instechlabs.com/Infusion/ports/hn.php>

Straight Huber Needle Set for Rats

Use this straight huber needle and tubing set in conjunction with a port, swivel and infusion harness for sustained intermittent rodent infusions. The proximal end of the PVC length attaches directly to a 22ga swivel (set does not include a luer).



Part No.	Needle Size	Needle Length	Tubing Length
HNS22500-18	22ga	1/2" (1.3cm)	18" (46cm)

Provided sterile in packages of 12.

<http://www.instechlabs.com/Infusion/ports/hn.php>

Huber Needle

The basic Instech Solomon Huber needle features a female luer for direct attachment to a syringe. It has a B-bevel tip. They are available sterile in packs of twelve.



Part No.	Needle Size	Needle Length	Hub color
HN22750	22ga	3/4" (1.9cm)	gray
HN24750	24ga	3/4" (1.9cm)	pink

Provided sterile in packages of 12. Not recommended for use with Vascular Access Harness.

<http://www.instechlabs.com/Infusion/ports/hn.php>

Septum Needle

The special pencil point tip on this needle is designed to pierce the septum in the Vascular Access Harness, Miniature Tubing Injection Port or PortHold™. The female luer hub permits direct attachment to a syringe. Use the needles to inject lock solution, flush, bolus or withdraw blood samples.



Part No.	Needle Size	Needle Length	Hub color
SN22	22ga	1/2" (1.3cm)	blue

Provided sterile in packages of 12.

<http://www.instechlabs.com/Infusion/tethers/sn.php>