

SOLOPORT™ SUBCUTANEEOUS ACCESS PORTS

Ports are implanted catheter devices which do not exit through the animal's skin. There is little concern about the animal disturbing the port, eliminating the need for a jacket or other protective apparatus. The lack of a chronic exit site wound reduces infection risks compared to externalized catheters. 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.

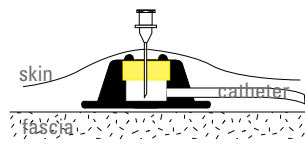
PORT ADVANTAGES

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

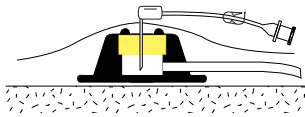
SoloPorts come in a variety of configurations for most species and catheter sizes, including the MICRO, the smallest top-access mouse port available.

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.

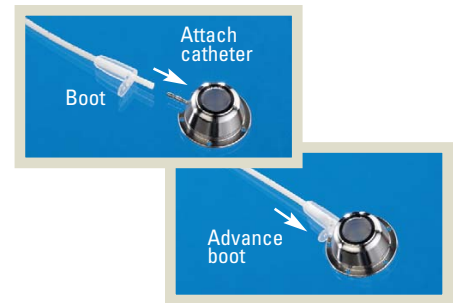
Each port includes a catheter which can be pre-attached by Instech Solomon or, for 3Fr and larger, attached intraoperatively by the surgeon. SoloPort catheters are also available with CBAS® heparin coating for optimal hemocompatibility.



Huber needle for bolus and quick sampling



Right angle Huber needle for longer-term infusion and sampling



A molded silicone securement boot for strain relief is included with titanium SoloPorts and PMIDs with attachable catheters. Boots match the catheter size.

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				•	•	•

SOLOPORT™ SUBCUTANEOUS ACCESS PORTS

ORDERING INFORMATION

	MICRO	PMIN	MIN	PMID	MID	MAX
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

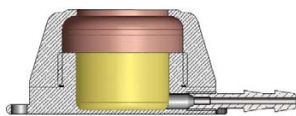
Catheters feature rounded tip unless otherwise noted. C10=1Fr, C20=2Fr, C30=3Fr, C35=3.5Fr, C50=5Fr, C70=7Fr. Attachable catheter preferred as it can be trimmed from the proximal end during surgery, preserving the tip.
¹CBAS® and PU catheters can be sterilized only by EtO at Instech Solomon. ²Catheter has a bevel tip. SoloPort is a trademark of Solomon Scientific.

www.instechlabs.com/Infusion/ports/

LOVOL™ Ports for CSF NEW

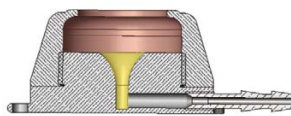
To address implanted port applications requiring minimal dead space, Instech Solomon has developed the LOVOL ports in the MIN and MID port housing sizes. Each port has a reservoir dead volume about 10% of the amount of the standard SoloPorts™. These LOVOL ports are ideally suited for CSF infusion or withdrawal applications, or any application involving the use of a costly compound to be administered in small volumes. Access these ports with standard 22ga and 24ga Huber point needles and infusion sets.

Standard ports



MIN dead volume: 130µL
MID dead volume: 380µL

LOVOL™ ports



MIN dead volume³: 15µL
MID dead volume³: 40µL

LOVOL is a trademark of Solomon Scientific

SPECIFICATIONS

	MINLO	MIDLO
Body material	titanium	titanium
Height	.275in (7.0mm)	.395in (10.0mm)
Weight	3.0g	6.9g
Dead volume ³	15µL	40µL
Catheter sizes	3-5Fr	3-5Fr
Sterilization	EtO, steam ¹	EtO, steam ¹

Ordering Information

CBAS Heparin-Coated PU (attachable)	MINLOA-CBAS-C30 MINLOA-CBAS-C35 MINLOA-CBAS-C50	MIDLOA-CBAS-C30 MIDLOA-CBAS-C35 MIDLOA-CBAS-C50
Polyurethane (attachable)	MINLOA-PU-C30 MINLOA-PU-C35 MINLOA-PU-C50	MIDLOA-PU-C30 MIDLOA-PU-C35 MIDLOA-PU-C50
Silicone (attachable)	MINLOA-SIL-C30 MINLOA-SIL-C35 MINLOA-SIL-C50	MIDLOA-SIL-C30 MIDLOA-SIL-C35 MIDLOA-SIL-C50
No catheter	MINLOA-C30 MINLOA-C35 MINLOA-C50	MIDLOA-C30 MIDLOA-C35 MIDLOA-C50

¹CBAS® and PU catheters can be sterilized only by EtO at Instech Solomon.

³Dead volumes are approximate. Please calculate in your facility before use.

PORTHOLD™ SUBCUTANEOUS ACCESS PORTS

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 dislodgements.

Our solution is the PortHold™, in which a titanium plate with a grid of precision holes is molded into the septum of an otherwise standard SoloPort. Access the port with a 24ga non-coring pencil point needle (part no. PHN-24750) in a manner similar to that used with standard ports and huber needles. 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. They are available in MIN and MID sizes to cover a range of species from rabbits to NHPs to dogs.



Patent pending

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

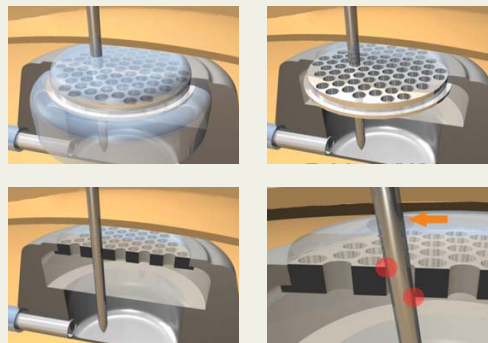
🌐 www.instechlabs.com/Infusion/ports/porthold.php

SPECIFICATIONS

	HMIN	HMID
Body and plate material	Titanium	Titanium
Height	0.275in (7.0mm)	0.395in (10.0mm)
Weight	3.0g	6.9g
Dead volume	0.13ml	0.38ml
Catheter sizes	3.5-7 Fr	3.5-7 Fr
Sterilization	EtO, steam ¹	EtO, steam ¹

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

THE HOLES HOLD TO PREVENT NEEDLE DISLODGMET



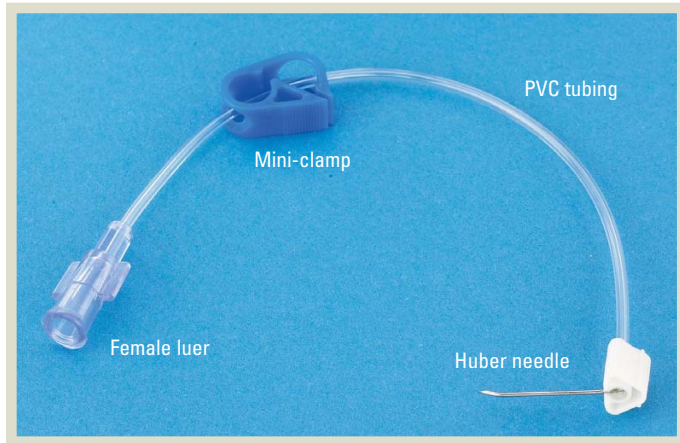
The PortHold design is identical to a conventional port with the exception of a titanium plate molded into the silicone septum.

Holes in the plate are slightly larger than the pencil point needle use to access the port. When the needle is tugged to the side the plate edges grab it, as shown in this exaggerated view.

PortHold is a trademark of Solomon Scientific

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.

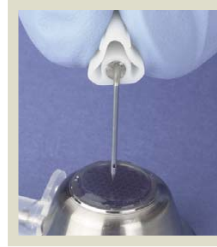


Part No.	Needle Size	Needle Length	Tubing Length
SHNRA22500-6	22ga	1/2" (1.3cm)	6" (15cm)
SHNRA22500-12	22ga	1/2" (1.3cm)	12" (30cm)
SHNRA22500-24	22ga	1/2" (1.3cm)	24" (61cm)
SHNRA22625-6	22ga	5/8" (1.6cm)	6" (15cm)
SHNRA22625-12	22ga	5/8" (1.6cm)	12" (30cm)
SHNRA22625-24	22ga	5/8" (1.6cm)	24" (61cm)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

www.instechlabs.com/Infusion/ports/hn.php

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 PHN-24750 (below) 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.

www.instechlabs.com/Infusion/ports/pencil.php

Huber Needles

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 for use with Vascular Access Harness or PortHold.

www.instechlabs.com/Infusion/ports/hn.php

Pencil Point Septum Needles

The special pencil point tips on these needles are designed to pierce the septa in the Vascular Access Harness™, Vascular Access Button™, SIP22/4 Miniature Tubing Injection Port and PortHold™ (24ga x 0.75in only). 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	0.4in (1.0cm)	light blue
PHN-24750	24ga	0.75in (1.9cm)	light purple

Provided sterile in packages of 12. SN22 also available in bulk: 50 pieces in one sterile pouch; part no. SN22/BULK50. SN22 not for use with PortHold.

www.instechlabs.com/Infusion/tethers/sn.php