



CARFIL QUALITY
YOUR SUPPLIER FOR ALL LABORATORY NEEDS

CSF LoVol Port



Porthold Port

The LoVol™ ports comprise ultra-low dead volumes to facilitate enhanced CSF (cerebrospinal fluid) access. These LoVol™ products are based on the MID and MIN port designs but reduce fluid dead volume under the septum by about 90%. The LoVol™ MIN has a dead volume of approximately 15uL while the LoVol™ MID is approximately 40uL.

Also consider LoVol™ ports for any application requiring minimal dead volume, i.e., unusually expensive test article studies.

For CSF Sampling in large animals, use the MIN-CSF-SAM, a specialized port device which provides a subcutaneous guide cannula which is accessed via the port septum using a standard spinal needle.

Specifications

	MINLO	MIDLO
Body Material	Titanium	Titanium
Height	7,0 mm	10,0 mm
Weight	3 gr	6,9 gr
Dead Volume*	15 µl	40 µl
Catheter Sizes	3-5 Ch	3-5 Ch
Sterilization	EtO	EtO
Needle type	24 g (or 22 g) Huber	24 g (or 22 g) Huber
APPLICATIONS		
CSF or Ultra-low volume	✓	✓
Mous		
Rat	✓	
Ferret	✓	



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Rabbit	✓	✓
NHP (<4 kg)	✓	
NHP (>4 kg)	✓	✓
Dog (<14 kg)	✓	✓
Dog (>14 kg)	✓	✓
Pig	✓	✓

All available with catheters in a range of materials.



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