

PHARMED® BPT MICROBORE

Biopharmaceutical microhose

Material: TPE (thermoplastic elastomer)
Max. working temp.: up to +135°C
Brittleness temp.: -60°C
Hardness: 64 Shore (A)
Density: 0.98 g/cm^3

High-quality, flexible cream-coloured hose, designed specifically for the pharmaceutical industry, biotechnology and laboratories. It offers high fatigue resistance, exceptionally long service life in peristaltic pump operation and good resistance to spallation („*spallation*" – flaking of material microparticles from the hose under the pump rotor pressure). It also features relatively low permeability to gaseous media, low absorption of conveyed products, and good resistance to acids, bases and oxidation. The opaque hose wall protects sensitive products from UV radiation. **The MICROBORE version of the PHARMED® BPT hose is an ideal solution for analytical micropumps where biocompatibility and long pump service life (1000 h and more) are required.**
Biocompatible – non-toxic and non-haemolytic, meets USP <88> Class VI and/or USP <87> and/or ISO 10993-5, European Pharmacopoeia 3.2.9. Hygienic properties are confirmed by the Saint-Gobain validation guide for this hose. Compliant with REACH Regulation 1907/2006/EU and RoHS 2011/65/EU – contains no hazardous or banned substances. Can be repeatedly steam-sterilised (30 min, 1 bar, +121°C, up to 5 times with no effect on hose life). Ethylene oxide or radiation sterilisation possible (up to 5.0 Mrad - 50 KGray).
Hose available in versions with 2 or 3 stoppers or without stoppers. The coloured stoppers are phthalate-free and made using bioplasticisers. The combination of stopper colours allows identification of the hose size.
Length of hose with 2 or 3 stoppers: 381 mm. Distance between stoppers: 152 mm. Versions with stoppers sold in full packs of 6. Depending on stock, minimum order quantities (MOQ) may apply – from 30 to 240 hoses. Length of hose without stoppers: 3 m. Depending on stock, minimum order quantities (MOQ) of 15 or 99 m may apply.

index (2 stoppers)	stopper colour (2 stoppers)	index (3 stoppers)	stopper colour (3 stoppers)	index (without stoppers)	diameter innerouter [mm]	wall wall [mm]	MOQ* (2 stoppers) [pcs]	MOQ* (3 stoppers) [pcs]	MOQ* (without stoppers) [m]
VE-070539-03	● ●	VE-070540-03	● ● ●	VE-070539-03F	0,25	0,90	240	240	15
VE-070539-04	● ●	VE-070540-04	● ● ●	VE-070539-04F	0,38	0,90	240	30	99
VE-070539-05	● ●	VE-070540-05	● ● ●	VE-070539-05F	0,51	0,90	30	30	15
VE-070539-06	● ○	VE-070540-06	● ○ ●	VE-070539-06F	0,64	0,90	240	240	99
VE-070539-07	● ●	VE-070540-07	● ● ●	VE-070539-07F	0,76	0,85	240	30	15
VE-070539-08	● ●	VE-070540-08	● ● ●	VE-070539-08F	0,89	0,85	120	30	99
VE-070539-09	○ ○	VE-070540-09	○ ○ ○	VE-070539-09F	1,02	0,85	240	30	15
VE-070539-10	● ●	VE-070540-10	● ● ●	VE-070539-10F	1,14	0,85	240	30	15
VE-070539-11	● ●	VE-070540-11	● ● ●	VE-070539-11F	1,30	0,85	30	240	99
VE-070539-12	● ●	VE-070540-12	● ● ●	VE-070539-12F	1,42	0,85	240	240	99
VE-070539-19	● ●	VE-070540-19	● ● ●	VE-070539-19F	1,52	0,85	30	30	15
VE-070539-13	● ●	VE-070540-13	● ● ●	VE-070539-13F	1,65	0,85	240	30	99
VE-070539-14	● ●	VE-070540-14	● ● ●	VE-070539-14F	1,85	0,85	240	240	99
VE-070539-15	● ●	VE-070540-15	● ● ●	VE-070539-15F	2,06	0,85	30	30	15
VE-070539-16	● ●	VE-070540-16	● ● ●	VE-070539-16F	2,29	0,85	240	30	15
VE-070539-17	● ●	VE-070540-17	● ● ●	VE-070539-17F	2,54	0,85	30	240	99
VE-070539-18	● ○	VE-070540-18	● ○ ●	VE-070539-18F	2,79	0,85	30	30	15

* MOQ – minimum order quantity (from the manufacturer);



Selection of the hose for analytical peristaltic micropumps (TAAT), and inquiries about other types of analytical microhose, should first be discussed and confirmed with a Tubes International specialist.