

LabSmith CapTite™ Microfluidic Components

Description		360µm Capillary	1/32" Tubing	1/16" Tubing	
	One-Piece Fittings. Leak-free connections from capillary or tubing to other components. Material: PEEK™.	C360-100	T132-100	T116-100	
	One-Piece Plugs. Use in place of one-piece fittings to block unused ports. Material: PEEK™.	C360-101	C360-101	T116-101	
	Tubing Size Adapters. Two-piece fittings allow tubing of one size to be used with components for a different tubing size. Material: PEEK™. [size of components] - A[size of tubing]	T116-A360	T116-A132 C360-A132	C360-A116 T132-A116	
	Interconnects. Multiport fittings for re-routing or combining flow streams. Material: Ultem®. Part numbers for Acrylic interconnects end in 'A'.	Union	C360-202 C360-202A	T132-202 T132-202A	T116-202
		Tee	C360-203 C360-203A	T132-203 T132-203A	T116-203
		Cross	C360-204 C360-204A	T132-204 T132-204A	T116-204
		Elbow	C360-205 C360-205A	T132-205 T132-205A	T116-205
	Adapter Unions. Mate tubing with one port for 360µm capillary and one port for 1/32" tubing. Material: Ultem®. Part numbers for Acrylic unions end in 'A'.	A360-132-202 A360-132-202A	A360-132-202 A360-132-202A	N/A	
	Bonded-Port Connectors. Bonds to port on chip for capillary-chip interface. Compatible with ~1 mm port size. Material: Ultem®.	C360-400	T132-400	N/A	
	Luer-Lock™ Adapter. Female Luer-lock fitting for connecting syringe to capillary or tubing. Material: PEEK™	C360-300	T132-300	T116-300	
	Refillable Cartridge. Fill, reuse and refill this column chamber with a packed bed specific for your application. Includes 10µm polyester sample filters and two one-piece fittings. Material: PEEK™	10 µl	uCTG-10-360	uCTG-10-132	uCTG-10-116
		50 µl	uCTG-50-360	uCTG-50-132	uCTG-50-116
		100 µl	uCTG-100-360	uCTG-100-132	uCTG-100-116
		150 µl	uCTG-150-360	uCTG-150-132	uCTG-150-116
		cap only	uCTG-CAP-360	uCTG-CAP-132	uCTG-CAP-116
	Multi-Port Selector Valve. 3-way manual valves with "L" flow pattern. T116-505 has one inlet port for 360µm capillary tubing.	C360-500	T132-500	T116-500 T116-505*	
	Breadboard. 4" x 6" platform for your fluid circuit. Includes hardware for mounting 4 valves and 8 interconnects.	LS-600	LS-600	LS-600L	
	Syringe pump. Extremely compact, fully programmable, bi-directional pump for accurate metering of volumes from 4 to 80 µliters, with resolution as low as 10 nanoliters.	SPS01	SPS01	SPS01	

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CapTite Microfluidic Construction Kits

The best value for CapTite fittings, including all the components needed for various applications. Prices include a minimum 10% discount over individually priced items. Kits are available for 360µm capillary, 1/32" tubing or 1/16" tubing (see part numbers below).

Description	Single User Kit	Capillary Interface Kit	Chip Interface Kit
One-Piece Fittings (p/n: xxxx-100)	75	50	25
One-Piece Plugs (p/n: xxxx-101)	10	5	5
Tee (p/n: xxxx-203)	5	5	-
Cross (p/n: xxxx-204)	5	5	-
Bonded Port Connectors (p/n: xxxx-400)	25	-	50
Luer-Lock Adapters (p/n: xxxx-300)	10	10	5
Valve (p/n: xxxx-500)	2	2	-
Breadboard (p/n: LS-600 or LS-600L)	2	2	-
Hex wrench (p/n: LS-HEX)	1	1	1
Torx wrench (p/n: LS-TORX)	1	1	-
Epoxy Adhesive (p/n: LS-EPOXY)	1	-	1
360µm Capillary Kits Includes 1m of CAP-360-250S capillary & fused-silica cutting stone	C360-KIT1	C360-KIT2	C360-KIT3
1/32" Tubing Kits Includes 1m of T132-010P PEEK tubing	T132-KIT1	T132-KIT2	T132-KIT3
1/16" Tubing Kits Includes 1m of T116-030P PEEK tubing	N/A	T116-KIT2	N/A

Capillary and Tubing

Size	P/N	ID	Material
360µm Capillary	CAP-360-150P	150µm	PEEK
	CAP360-100S	100µm	Fused Silica
	CAP360-150S	150µm	Fused Silica
	CAP360-250S	250µm	Fused Silica
1/32" Tubing	T132-010P	0.01"	PEEK
1/16" Tubing	T116-010P	0.01"	PEEK
	T116-030P	0.03"	PEEK

Tools and Supplies

Description	Part Number
1/8" hex wrench for installing one-piece fittings	LS-HEX
T7 TORX driver for installing breadboard screws	LS-TORX
12ml epoxy adhesive for attaching bonded-port connectors to chip	LS-EPOXY
Fused-silica capillary cutting stone	LS-CUTTER

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