

Capillary Sample Trap Columns

- ➔ Packed and unpacked columns
- ➔ Pressure rated to 5,000 PSI (345 bar)
- ➔ Direct connect 360 µm OD capillary tubing

Upchurch Scientific Capillary Sample Trap Columns are ideal for separating and concentrating and/or purifying biological samples.

Capillary Sample Trap Column Assemblies include one or more 1 µm NanoFilter™ Capsules, each containing either a stainless steel (SST) or biocompatible titanium (Ti) frit. The swept volume of these unique filters is only 10 nL each. Connect your 360 µm OD capillary tubing directly to our Sample Trap Column Assemblies using the fittings provided. The maximum flow rate for these products is 10 µL/min; 250 nL is the optimal flow rate.

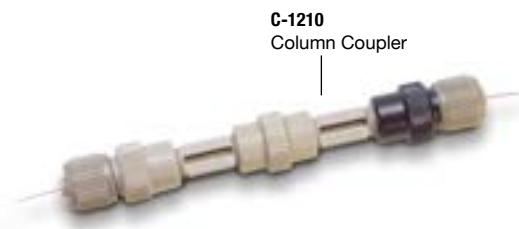


C-1300

Please Note: Reversing flow in these columns can result in loss of packing material. For more information regarding the proper setup involving these Sample Trap Columns, please contact Chrom Tech customer service.

SAMPLE TRAP COLUMNS ASSEMBLIES			
PART NO	DESCRIPTION	FRICT MATERIAL	INCLUDES
C-1300	C18 Column	Ti	(1) 2/pk C-1250, (1) M-126, (2) P-416BLK, (2) F-152, (1) M-124NF
C-1600	Unpacked Column	Ti	(1) FS-1000-25, (2) M-126, (2) P-416BLK, (2) F-152

COLUMN COUPLER & REPLACEMENT PARTS			
PART NO	DESCRIPTION	SWEPT VOL	QTY
C-1210	Column Coupler, PEEK	—	ea
F-152	MicroFerrule for 360 µm OD tubing, PEEK	—	ea
M-124NF	Capsule Union, no Frit, PEEK	9.5 nL	ea
M-125	1 µm NanoFilter Capsules, with SST Frits	10 nL	2/pk
M-126	1 µm NanoFilter Capsules, with Ti Frits	10 nL	2/pk
P-416	Female Nut, Natural PEEK	—	ea
P-416BLK	Female Nut, Black PEEK	—	ea
P-416G	Female Nut, Green PEEK	—	ea



C-1210
Column Coupler

Agilent AdvanceBio Desalting-RP Cartridges

- ➔ Perform MS detection with traditionally non-MS methodologies—such as IEX, SEC, and affinity chromatography
- ➔ Save time by desalting your samples online
- ➔ Reduce downtime and maintenance by eliminating salt in your MS
- ➔ Improve data quality and confidence in your results

AdvanceBio Desalting-RP cartridges are ideally suited for reversed-phase desalting before MS detection. Cartridges feature a 10 µm polymeric reversed-phase particle with 1000 Å pore size and are stable from pH 2–13. They are compatible with all commonly used reversed-phase mobile phases.



Characterizing complex proteins—including monoclonal antibodies—requires multiple techniques, such as affinity, ion exchange, and size exclusion chromatography. However, the mobile phases used for these techniques are aqueous-based and contain nonvolatile salts, which can cause signal suppression during MS detection. Perform reversed-phase removal of salt ions—online—before MS detection.

AGILENT ADVANCEBIO DESALTING-RP CARTRIDGES	
PART NO	DESCRIPTION
PL1612-1102	AdvanceBio Desalting-RP, 2.1 x 12.5 mm, 3/pk
820999-901	Cartridge holder