








Analysis - HPLC - Column protection

Column & Guard cartridge

Column Protection - On-line filters and guard cartridges

HPLC column performance can suffer from sample impurities. A range of tools are available to protect the column and retain performance. The simple addition of a low porosity 0.5 or 2 µm on-line filter can protect from physical impurities whilst a guard cartridge is one of the best means to protect against chemical sample pollution. Guard cartridges are typically packed with the same phase as the HPLC column - they should be changed on a regular basis for optimal protection.

Description	P/N	Qty	Description	P/N	Qty
Guard Cartridge holder Direct connection for Modulo-cart QS (10 mm)	CH797540	1	Frit replacement tool	CH347520	1
					
1/16" - 1/16" standard	CH980740	1	On-line filter		
			0.5 µm	T50270	10
			2.0 µm	R21281	10
					
Guard cartridges			C-clamps (Easy Modulo-Cart tighten /untightening)		
10 x 1,0 mm	Q95961	3	Column i.d.		
10 x 1,0 mm	Q95960	10	1.0 & 2.0 mm	T94280	1
10 x 2,0 mm	CH980671	3	3.0 - 4.0 - 4.6 mm	R49870	1
10 x 2,0 mm	CH980670	10			
10 x 4,0 mm	CH979521	3			
10 x 4,0 mm	CH979520	10			
					
Caps/frits 2µm					
for 1.0 mm i.d	CH980600	5			
for 2.0 mm i.d	CH881940	5			
for 3.0 mm i.d	CH881950	5			
for 3.9 mm i.d	CH881960	5			
for 4.0 mm i.d	CH881960	5			
for 4.6 mm i.d	CH881970	5			
					

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High performance guard column

Short length guard columns are packed with the stationary phase of your requirement, typically the same phase as the column (specify stationary phase when ordering). Even if the length of the guard column is relatively small, i.e. 20, 30 or 50 mm, it will perform as an analytical column, retention times are proportionally affected .

Analytical guard column

Direct analytical column fitting with no dead volume

Description	Dimensions	P/N	Qty
Guard column	20 x 2.0 mm	CHAK1110	1
Replacement frits	2 µm. 2.0 mm i.d.	CH098980	5
Guard column	20 x 4.0 mm	CHAK1120	1
Replacement frits	2 µm. 4.0 mm i.d.	CH099240	5



30 mm analytical guard cartridge

Description	P/N	Qty
33 x 1.0 mm	CAK113Q	1
33 x 2.1 mm	CH86027Q	1
33 x 3.0 mm	CH88845Q	1
33 x 4.0 mm	CH89906Q	1
33 x 4.6 mm	CH10912Q	1



10 mm preparative guard cartridge

Description	Dimensions	P/N	Qty
Guard holder	10 mm i.d.	CH907780	1
Guard cartridge	10 x 10 mm	CH907770	1
Guard holder	21.2 mm i.d.	923431	1
Guard cartridge	10 x 21.2 mm	923421	1

30 and 50 mm preparative guard cartridge

Preparative guard cartridges are typically packed with particle sizes > 10 µm (prices are relative to the type of stationary phase). Contact Interchim regarding frit replacement.

Description	P/N	Qty
33 x 7.8 mm	CH73822Q	1
33 x 10.0 mm	CH73825Q	1
33 x 21.2 mm	CH73622Q	1
50 x 21.2 mm	CH52379Q	1
50 x 28.0 mm	CHAK107Q	1

