

Chromolith® columns at glance

Column internal diameter [mm]	Column length [mm]					Loadability	Sensitivity	Solvent saving
	Guard / Trap column 5 mm	Guard / Trap column 10 mm	25 mm	50 mm	100 mm			
25 mm		1.25260.0001 ⁽⁷⁾ 1.25261.0001 ⁽²⁾ 1.25262.0001 Holder			1.25251.0001 ⁽⁷⁾ 1.25252.0001 ⁽²⁾	+	-	-
	10 mm		1.52035.0001 ⁽⁷⁾ Pack of 3 1.52036.0001 ⁽²⁾ Pack of 3 1.52037.0001 Holder		1.52015.0001 ⁽⁷⁾ 1.52016.0001 ⁽²⁾			
		4.6 mm	1.51451.0001 ⁽²⁾ Pack of 3	1.51452.0001 ⁽²⁾ Pack of 3	1.51463.0001 ⁽²⁾			
1.52011.0001 ⁽⁷⁾ Pack of 3			1.52033.0001 Holder	1.52020.0001 ⁽¹⁾	1.52021.0001 ⁽¹⁾	1.51465.0001 ⁽⁷⁾		
1.52013.0001 ⁽⁴⁾ Pack of 3			1.52026.0001 ⁽⁸⁾	1.52027.0001 ⁽⁸⁾	1.51468.0001 ⁽⁴⁾			
1.52025.0001 ⁽¹⁾ Pack of 3			1.52046.0001 ⁽⁵⁾	1.52047.0001 ⁽⁵⁾	1.52022.0001 ⁽¹⁾			
1.52030.0001 ⁽⁸⁾ Pack of 3			1.52056.0001 ⁽³⁾	1.52057.0001 ⁽³⁾	1.52028.0001 ⁽⁸⁾			
1.52032.0001 Holder			1.53170.0001 ⁽⁶⁾	1.53171.0001 ⁽⁶⁾	1.52048.0001 ⁽⁵⁾			
1.52050.0001 ⁽⁵⁾ Pack of 3					1.52058.0001 ⁽³⁾			
1.52059.0001 ⁽³⁾ Pack of 3					1.53172.0001 ⁽⁶⁾			
3 mm	1.52004.0001 ⁽²⁾ Kit		1.52003.0001 ⁽²⁾	1.52002.0001 ⁽²⁾	1.52001.0001 ⁽²⁾			
	1.52005.0001 ⁽²⁾ Pack of 3							
2 mm	1.52008.0001 ⁽²⁾ Kit		1.52014.0001 ⁽²⁾	1.52007.0001 ⁽²⁾	1.52006.0001 ⁽²⁾			
	1.52009.0001 ⁽²⁾ Pack of 3							
Speed +						-		
Resolution -							+	

⁽¹⁾ HighResolution RP-18e | ⁽²⁾ RP-18e | ⁽³⁾ Phenyl | ⁽⁴⁾ RP-8e | ⁽⁵⁾ CN | ⁽⁶⁾ DIOL | ⁽⁷⁾ Si | ⁽⁸⁾ NH₂

Benefits of Chromolith® HPLC columns at a glance

1. Speed of analysis

- Separations two times faster at half the column back-pressure compared to 5 µm columns
- Higher sample throughput – separations up to 9 times faster if required
- Fast column re-equilibration between analyses

2. Improved HPLC system security

- Significantly increased column lifetime
- Reduced maintenance on HPLC pump and injector seals
- Reduced need for sample preparation as columns very resistant to blocking (even with biological samples)

3. Column length no longer pressure limited

- Very high separation efficiency by column coupling

4. Standard HPLC instruments are ideally suited for use with Chromolith® HPLC columns

- Chromolith® columns clad in PEEK are very easy-to-use and handle

5. Cost savings from increased sample throughput can justify the expense of a method revalidation within one month.