

Reveleris™ C18 Reversed-Phase Flash Cartridges

Reveleris™ Reversed-Phase Cartridge Conditions

Column Size (g)	Suggested Loading Amount (mg)	Suggested Flow Rate* (mL/min)	Expected Back Pressure* (psi)	Single Column Volume (mL)	Part No.
4	5-200	18	30	5	5152990
12	19-600	30	40	18	5152103
40	45-1,350	40	40	45	5152104
80	93-2,800	60	50	88	5152105
120	150-6,000	80	60	128	5152991

*Based on a solvent system of 80% Methanol, 20% Water

Reversed-Phase Recommendations

Reveleris™ reversed-phase columns can be re-used for maximum performance and use. Depending on sample type the columns can be used 20-30 times without a significant change in performance. Following these recommendations will help to extend column life and ensure reliability.

Suggested Operating Conditions

Column Conditioning

Equilibrate the column with 5 column volumes (CV) of initial starting mobile phase prior to use. Refer to Table above for column volume data.

Sample Loading

Load sample in the amount of 0-3% of the column packing bed weight.

Post-run Care

Wash with 4CV's of a high percentage of organic (strong) solvent (100% is suggested). After 4CV's of high organic wash, return the percentage of organic solvent to starting conditions for 2 CV's. This ensures that any bound material is washed off the column and will not interfere with the next run.

Repeat the process for each run.

Storage

Store the column in 80% organic, 20% water to avoid microbial growth. Store columns with this mobile phase inside and with caps tightly secured. The column should not be allowed to dry out as this will cause voids in the packing bed and compromise future separations.

Performance

Performance of Reveleris™ C18 Reversed-Phase Flash Cartridges is improved when used with, and linked to, the RevealX™ technology (patents pending) incorporated in the Reveleris™ Flash System, which unlocks high pressure and flow rate advantages.



Reveleris™ Flash Chromatography System

CAUTION

Do not operate Reveleris™ C18 Reversed-Phase Flash Cartridges above the rated pressure. The maximum physical pressure limit of the column is 200psig. Operation above the rated pressure may result in column failure and solvent leakage.

For more information, visit www.discoverysciences.com/reveleris or contact your local sales representative

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