

Method Development Column Sets from Inertsil HPLC Columns



Maximize Your Method Development Efficiency

As we all know, developing a new method is a time-consuming operation. On top of this selecting an HPLC column plays a major role to achieve the desired separation for your critical analysis.

The following Method Development Column Sets are covering an extended range of selectivity with extremely inert packing materials to answer your difficult method development operation. Boost your laboratory efficiency further by choosing the appropriate Method Development Column Set.

Cat#	Set Description	Purpose
5020-90011	Method Development Set A Small Molecule	Extended Selectivity for General Small Molecules
5020-90012	Method Development Set B Small Molecule HT	Extended Selectivity for General Small Molecules with Rapid Results
5020-90013	Method Development Set C Small Molecule HT	Extended Selectivity for General Small Molecules with Rapid Results using Narrow Bore (2.1 mm I.D.) columns
5020-90014	Method Development Set A Highly Polar Compounds	Retaining Highly Polar Analytes
5020-90015	Method Development Set B Highly Polar Compounds HT	Retaining Highly Polar Analytes with Rapid Results
5020-90016	Method Development Set C Highly Polar Compounds HT	Retaining Highly Polar Analytes with Rapid Results using Narrow Bore (2.1 mm I.D.) columns



TRULY SUSTAINABLE LC COLUMNS.....

FOR YOUR LAB

Inertsustain C18

Inertsustain C8

Inertsustain Phenyl

Inertsustain Amino



Method Development Column Set Details

Cat#	Set Description	Column Name	Particle Size (µm)	I.D. (mm)	Length (mm)
5020-90011	Method Development Set A Small Molecule	InertSustain C18 Inertsil ODS-4 Inertsil ODS-3 InertSustain Phenyl	5	4.6	150
5020-90012	Method Development Set B Small Molecule HT	InertSustain C18 Inertsil ODS-4 Inertsil ODS-3 InertSustain Phenyl	* HP 3	4.6	100
5020-90013	Method Development Set C Small Molecule HT	InertSustain C18 Inertsil ODS-4 Inertsil ODS-3 InertSustain Phenyl	* HP 3	2.1	100
5020-90014	Method Development Set A Highly Polar Compounds	InertSustain C18 InertSustain Phenyl Inertsil Amide	5	4.6	150
5020-90015	Method Development Set B Highly Polar Compounds HT	InertSustain C18 InertSustain Phenyl Inertsil Amide	* HP3	4.6	100
5020-90016	Method Development Set C Highly Polar Compounds HT	InertSustain C18 InertSustain Phenyl Inertsil Amide	* HP 3	2.1	100

- End-fittings are 1/16" Waters-compatible
- "HP" stands for "High Pressure".
- The maximum operating pressure of an HP 3 µm column is 50 MPa, (500 Bar)& compatible with regular HPLC as well UHPLC.



Physical Properties

Column Name	Chemistry	Surface Area (m ² /g)	Pore Size (Å)	Carbon Load (%)	End-Capping	pH Range
InertSustain C18	C18	350	100	14	★★★★★	1 ~ 10
InertSustain Phenyl	Phenyl	350	100	10	None	2 ~ 7.5
Inertsil ODS-4	C18	450	100	11	★★★★★	2 ~ 7.5
Inertsil Amide	Amide	450	100	18	None	2 ~ 7.5
Inertsil ODS-3	C18	450	100	15	★★★	2 ~ 7.5