

MEDITERRANEA HPLC, UHPLC COLUMN

DESIGNED FOR PHARMACEUTICAL INDUSTRY





mediterranea sea₁₈

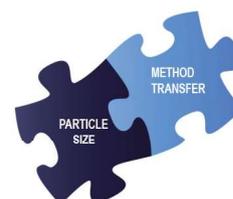


Mediterranea

Column designed to develop HPLC and UHPLC methods in the Pharmaceutical Industry

ADVANTAGES OF THE MEDITERRANEAN COLUMNS

- **Excellent Batch-to-Batch Reproducibility:** Perfectly spherical and high quality porous silica, drastically reduces small differences between columns and batches.
- **Scalable packing:** Surface porous particles of 1.8 μm , 2.2 μm , 3 and 5 μm allow you to get the best of your methods and all your instruments thanks to Sea ("Surface Enhanced Accessibility").
- **Simple method transfer between HPLC and UHPLC:** This is a fully scalable packing with the same selectivity in all its C18 columns, facilitating method transfer.
- **3 Available Reverse Phases:** C18, C8 and C4.
- **Long life column, an added value:** the Mediterranean phases are linked to very robust particles that are stable at the required pressures. In addition, the columns are manufactured with 0,5 μm or 2 μm frits, to protect them from the dirtiest and most complex samples.
- **Excellent peak shape:** the high purity silica and the advanced stationary linked phases reduce the peak tail and provide faster and more accurate results thanks to the MED ("Multifunctional Endcapping Deactivation").
- **High deactivation:** for acid and basic compounds.
- **Quality Control:** All Teknokroma columns are designed and manufactured in an integral way in Teknokroma, they are submitted to multiple Quality Control Tests under the most strict specifications. **Each column is individually tested and is provided with its Quality Control test.**



mediterranea hplc





WHAT IS A LABORATORY LOOKING FOR?

FAST RESULTS: increasing laboratory productivity.

HIGH RESOLUTION: symmetrical and well-defined peaks in short analysis times.



COST REDUCTION: less consumption of HPLC solvents.

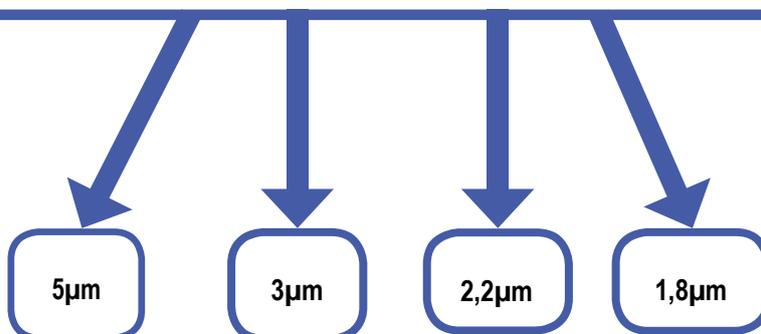
CHARACTERISTICS OF THE MEDITERRANEAN Sea 18

Fully **endcapped** silica (less tailing for acid and basic compounds)

High **pH resistance (1-12)**. Can be used in a wide range of applications, Ideal for MS applications

Same selectivity for HPLC, Fast HPLC and UHPLC columns

Capability to work with **100% aqueous** mobile phases (stationary phase does not collapse with polar compounds requiring 100% aqueous phases)



Transference	Analysis Time	Solvent Consumption	Investment in UHPLC
transfer from 5 µm and 15 cm length to 2,2 µm and 7,5 cm length	-79%	-54%	is Not needed

**SMART
FAST
BETTER**

HPLC COLUMNS

Packing	Phase	Particle Size (µm)	Length (cm)	Diameter (cm)	Cat N°
mediterranea	Sea18	5	3	0.46	TR-010000
mediterranea	Sea18	5	4	0.46	TR-010001
mediterranea	Sea18	5	5	0.46	TR-010002
mediterranea	Sea18	5	10	0.46	TR-010003
mediterranea	Sea18	5	15	0.46	TR-010004
mediterranea	Sea18	5	20	0.46	TR-010005
mediterranea	Sea18	5	25	0.46	TR-010006
mediterranea	Sea18	3	3	0.46	TR-010039
mediterranea	Sea18	3	4	0.46	TR-010040
mediterranea	Sea18	3	5	0.46	TR-010041
mediterranea	Sea18	3	10	0.46	TR-010042
mediterranea	Sea18	3	15	0.46	TR-010043

UHPLC COLUMNS

Packing	Phase	Particle Size (µm)	Length (cm)	Diameter (cm)	Cat N°
mediterranea	Sea18	2.2	5	0.21	TR-010900
mediterranea	Sea18	2.2	10	0.21	TR-010901
mediterranea	Sea18	2.2	15	0.21	TR-010921
mediterranea	Sea18	1.8	5	0.21	TR-010902
mediterranea	Sea18	1.8	10	0.21	TR-010903
mediterranea	Sea18	1.8	15	0.21	TR-010906

Available in other column dimensions and with phases C4 and C8
for further information please contact us:

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