

## Prepacked preparative HPLC columns with spring-assisted axial compression technology

- Prepacked YMC-Actus SP columns provide an ideal solution when packing experience or capabilities are limited
- Great fit for confined spaces
- Available in 50 - 300 mm ID
- Recommended as a dedicated solution for highly potent, toxic, or radioactive projects



### Prepacked Preparative Columns

Prepacked YMC-Actus SP columns are an ideal alternative to DAC columns when lab space, packing capabilities, or financial resources are limited. While 10 $\mu$ m YMC-Triart Prep C18-S resin is typically recommended, Actus SP columns can be packed with your choice of purification resins from YMC or an alternative manufacturer. All columns packed by YMC are QC tested prior to shipment so they are ready to use upon delivery.

### Specifications

Available IDs (mm)	50, 80, 100, 150, 200, 300	Wetted Materials	SUS316, SUS316L, PTFE
Column Bed Length	Up to 250mm	Piping/Connection	Swagelok tube fittings
Max Pressure	1450 psi / 100 bar	Installation Environment	10 - 40° C, $\leq$ 50% RH
Filter	SUS316L sintered wire mesh, nominal 2 $\mu$ m	Interior Column Finish	Honing & electrochemical polishing Ra $\leq$ 0.4 $\mu$ m for inner surface
Piston Movement	Spring Axial Compression		

### Suggested Applications

YMC's Actus SP columns are ideal for oligonucleotide desalting and highly potent, toxic, or radioactive projects. Hazardous compounds often require dedicated systems and hardware, rendering traditional DAC columns impractical. Prepacked Actus SP columns eliminate the need to spend time and resources ensuring that a column has been sufficiently cleaned, packed, and validated for re-use.

# Features

The column axis is specially treated with an anti-rust coating to prevent deterioration and ensure lasting compressive strength.

Columns can be packed with 10µm YMC-Triart Prep C18-S or the resin of your choice.

Securing mechanisms at the top and bottom of the column provide a tight seal.

Because the column is only 4-5 feet tall and does not need to be attached to a packing station during use, it is ideal for use in labs with limited space.

The wheeled base allows for easy transport within your facility.

## Ordering Information

For more information about these and other YMC-Actus SP column configurations, contact your YMC rep or [info@ymcamerica.com](mailto:info@ymcamerica.com).

Packing Material	Pressure Rating	Column Length	I.D. (mm)*	Product Number	Stand
YMC-Triart Prep C18-S 10µm, 120Å	1450 psi / 100 bar	250mm	80	TAS12S11-2581DY-T	Tripod Stand
			80	TAS12S11-2581DY-W	Wheeled Stand
			100	TAS12S11-25A1DY	
			150	TAS12S11-25B1EY	
			200	TAS12S11-25C1EY	
			300	TAS12S11-25D1TY	

*Please inquire for columns packed with alternate YMC or non-YMC resins.*

\*150mm ID and above are not available in Europe.



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