

CAPILLARY TRAP CARTRIDGES

OPTI-PAK capillary trap cartridges provide an elegant means of introducing low-volume packed beds into your flowpath. They can be used for a variety of trapping and separative applications, from desalting and detergent removal to in-line sample concentration and purification.

OPTI-PAK installs directly into column ports, injection valve manifolds, and detector inlets, and automatically adjusts for ZDV connection into any 10-32 port. OPTI-PAK is an excellent choice for your sample-limited and volume-sensitive assays.

You can place several OPTI-PAKs side by side in a 6, 10, or 12 port valve and perform analyte trapping, multidimensional chromatography and more, all within the injection valve assembly.

applications

- Analyte trapping: Proteins, peptides, drugs/small molecules
- Low-volume digital (on/off) chromatography
- Multi-bed/2D chromatography within an injection valve
- Purification and concentration of small amounts of sample

design parameters

- Ultra-low-volume bed format for micro and capillary scale use
- Automatic ZDV connection into any 10-32 port
- Direct, side-by-side installation into injection valve ports



FLOATING STEM DESIGN FOR ZDV CONNECTION INTO ANY PORT



BUILDING YOUR PART NUMBER AND SELECTING THE OPTIMAL BED FORMAT

Build your OPTI-PAK part number by selecting the five-digit code for the bed volume and dimension you want, then add the two-letter code for the packing material you need.

Example: To order an OPTI-PAK Trap Kit with 0.50 µl C18 cartridges, your part number will be 10-03317-TA. Custom packing is also available, including biocompatible materials. Please contact us if you don't see the materials you require. Kit includes 5 OPTI-PAK holders and trap cartridges, and one installation tool.

Use these guidelines to select an optimal bed for your application. Please note, however, that they are just guidelines, and not strict limits.

OPTI-PAK BED SELECTION GUIDE

	Capacity	Load Rate*	Bed Volume	Bed Code	Phase Code	Phase
STANDARD 10-32 5 PACKS	0.5 µg	1.25 - 5 µl/min	0.12 µl	0 3 3 2 8	T A	C18
	1 µg	2.5 - 10 µl/min	0.25 µl	0 3 3 2 4	T B	C18AQ
	2 µg	10 - 40 µl/min	0.50 µl	0 3 3 1 7	T C	C8
	4 µg	5 - 20 µL/min	1.0 µl	0 3 2 2 5	T D	C4
	8 µg	20 - 80 µL/min	2.0 µl	0 3 2 2 9	T E	SCX
	20 µg	50 - 200 µL/min	5.0 µl	0 3 2 3 3	T F	SAX
				0 3 2 3 3	T G	DVB
				0 3 2 3 3	E S	Custom

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Part Number