

Trypsin Digestion Cartridge



DIGESTor™

Protea's DIGESTor cartridges enable protein researchers to easily digest samples in several minutes rather than a few hours. The DIGESTor cartridge contains a high density of immobilized trypsin enzymes on 20 μ m beads. Connecting the DIGESTor cartridge in-line reduces the potential for contamination, and using the DIGESTor in combination with Protea's PILFer permits reduction and alkylation prior to digestion. Coupling this system to an LC or LC-MS makes the once tedious task of protein sequencing from tryptic in-gel digests simpler and less time consuming. The standard 10-32 connections make the DIGESTor compatible with all LC systems.



The DIGESTor can be used for:

- Protein sequencing and identification
- Post-translational modification characterization
- Protein – protein interaction studies

Volume ☐ ☐ ☐ ☐ ☐ ☐ 2 μ L

Digestion time ☐ ☐ ☐ ☐ 5 – 20 minutes

Flow rate ☐ ☐ ☐ ☐ ☐ 0.1 – 1.0 μ L/min

Pressure range ☐ ☐ ☐ 1 – 1000 psi

pH range ☐ ☐ ☐ ☐ 6.9 – 8.3

Temperature range ☐ ☐ 25 – 37°C

Load concentration ☐ ☐ 10 – 5000 pmol

Enzyme ☐ ☐ ☐ ☐ ☐ Trypsin (bovine pancreas)

