

Empore™

96-Well Solid Phase Extraction Plates

Hydrophilic-Lipophilic Balance (HLB)



Advantages

- ✕ Generic methodology
- ✕ Advanced membrane technology
- ✕ Reduced solvent and elution volumes
- ✕ Virtually no fines in eluate
- ✕ Fast and easy to use

Applications

- ✕ Drug development
- ✕ Bioanalysis
- ✕ Food & beverage

General Product Description

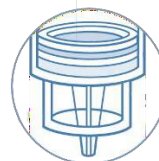
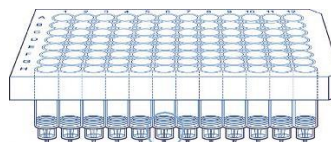
CDS Empore™ High Performance 96 Well Extraction Disk Plates provide a simple route to high throughput solid phase extraction (SPE). Extraction can be done in approximately one hour or less. Each well has a unique CDS particle-loaded membrane, instead of a packed bed sorbent mass. For good and consistent flow rates, a special graded density pre-filter is placed just above the membrane. If mobile phase or a compatible solution is used as eluent, direct injection onto chromatographic systems is possible.

Sorbent Characteristics

The CDS **HLB sorbent** is a hydrophilic-lipophilic balanced functionalized polymer sorbent containing polar functional groups. This promotes high retention of a wide range of acidic, basic, and neutral analytes, without adjusting the pH, reducing method development time and facilitating a generic approach to sample preparation.

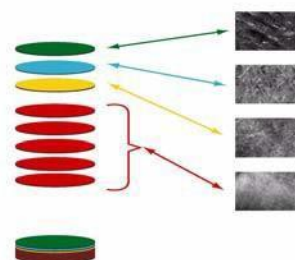
CDS Empore™ HLB Membrane

Sorbent	HLB
Composition (w/w)	90% sorbent, 10% PTFE
Thickness	0.75 mm
Diameter	5.5 mm
Membrane pore size	2 µm (nominal)
Bed volume	18 µL
Sorbent particle size	40-60 µm
Sorbent pore size	70 Å (nominal)
Sorbent mass	8.6 mg (nominal)
Average % carbon	n/a
pH stability	2-12



Graded-Density Pre-filter

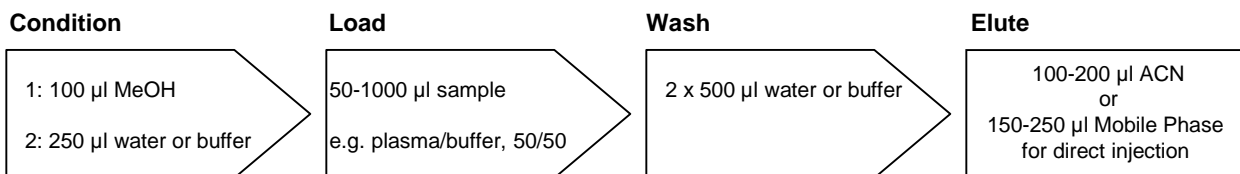
Filter material	Polypropylene
Number of layers	8
Free volume	12 µL
Filtration efficiency	98% at 10 µm 50% at 2 µm



96-Well Plate

Construction	Polypropylene	
Reservoir volume	1.2 mL Standard-well	Part number: 6080
	2.5 mL Deep-well	Part number: 6380

General Protocol*



* Standard-well plate

Further Information



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Purchasing and Technical Information

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