



CDS™ Empore™, formerly 3M™ Empore™, Solid-Phase Extraction products utilize the patented high density membrane technology to maximize extraction efficiency with minimal elution volumes and less matrix interferences. Offered in disk, cartridge, and 96-well plate formats, CDS™ Empore™ SPE products are perfect for environmental, food and agricultural, biopharmaceutical, clinical diagnostic, and proteomics applications. CDS™ Empore™ is committed to maintain the same formula and manufacturing process to continue to deliver high quality and cost-effective Empore™ products that have been delivered to customers for more than 30 years.

Empore™ SPE Brochure

- **Solid Phase Extraction Disks,**
Cartridges,
96-Well Plates,
and EZ-Trace Workstation



Empore™ Extraction Disks

| Sorbent | Suggested Application | EPA Method | Disk Size (mm) | Product Number | Catalog Number |
|--------------------|---|--------------------------------------|----------------|----------------|----------------|
| C8 HD | moderately nonpolar | 549.1 | 47 | 98-0604-0214-0 | 2214 |
| | | | 90 | 98-0604-0215-7 | 2314 |
| C18 HD | highly nonpolar | 506, 508.1, 525.2, 550.1, 608, 1613B | 47 | 98-0604-0217-3 | 2215 |
| | | | 90 | 98-0604-0218-1 | 2315 |
| C18 SD Fast Flow | highly nonpolar | -- | 47 | 98-0604-0220-7 | 2215FF |
| | | | 90 | 98-0604-0221-5 | 2315FF |
| SDB-XC | water soluble, moderately polar analytes | 515.2, 525.3 | 47 | 98-0604-0223-1 | 2240 |
| | | | 90 | 98-0604-0224-9 | 2340 |
| SDB-RPS | moderately nonpolar and cation exchange | -- | 47 | 98-0604-0226-4 | 2241 |
| | | | 90 | 98-0604-0227-2 | 2341 |
| SDB-XD | non-ionic surfactants | -- | 47 | 98-0604-0240-5 | 2242 |
| Cation-SR Exchange | metals, amines | -- | 47 | 98-0604-0232-2 | 2251 |
| Anion-SR Exchange | chromium, arsenic, selenium, carboxylic acids, etc. | 548.1, 552.1 | 47 | 98-0604-0229-8 | 2252 |
| | | | 90 | 98-0604-0230-6 | 2352 |
| Oil & Grease | nonpolar, dirty samples | 1664 | 47 | 98-0405-0062-5 | 2270 |
| | | | 90 | 98-0405-0063-3 | 2370 |
| Chelating | divalent metals and other cations | -- | 47 | 98-0604-0238-9 | 2271 |
| Activated Carbon | water soluble and volatile organic compounds | -- | 47 | 98-0604-0235-5 | 2272 |
| | | | 90 | 98-0604-0236-3 | 2372 |

47 mm disks are available as a pack of 20 or case of 60 disks.
90 mm disks are available as a pack of 10 or case of 30 disks.

HD = High Density
SD = Standard Density

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Empore™ Extraction RAD Disks

RAD disks are available as 47 mm disks in a pack of 20 or case of 60 disks.

| Sorbent | Suggested Application | Product Number | Catalog Number | |
|------------|-----------------------|--------------------------------------|----------------|------|
| Strontium | Sr-90 | DOE method RP515 | 98-0405-0064-1 | 3290 |
| Radium | Ra-228 Ra-226 | 903.1, 904.0, RA-195, RA-295, RA-395 | 98-0405-0065-8 | 3291 |
| Technetium | Tc-99 | TC-196 | 98-0405-0066-6 | 3292 |

Empore™ Extraction Disk Cartridges

1 mL cartridges available as a pack of 100 or case of 300.
3 mL cartridges available as a pack of 50 or case of 150.
6 mL cartridges available as a pack of 30 or case of 90.

| Sorbent | Suggested Application | Size | Product Number | Catalog Number |
|----------------------|--|--------------|----------------|----------------|
| C8-HD | Moderately nonpolar analytes | 4 mm / 1 mL | 98-0604-0188-6 | 4114HD |
| C18-SD | Strongly nonpolar analytes | 4 mm / 1 mL | 98-0604-0197-7 | 4115SD |
| C18-SD | Strongly nonpolar analytes | 7 mm / 3 mL | 98-0604-0198-5 | 4215SD |
| C18-SD | Strongly nonpolar analytes | 10 mm / 6 mL | 98-0604-0199-3 | 4315SD |
| SDB-XC (2-layer) | Moderately nonpolar analytes plus pi-pi interactions | 10 mm / 6 mL | 98-0604-0204-1 | 4340HD2 |
| SDB-RPS (2-layer) | moderately nonpolar and cation exchange | 10 mm / 6 mL | 98-0604-0208-0 | 4341HD2 |
| Anion-SR (2-layer) | chromium, arsenic, selenium, carboxylic acids, etc. | 10 mm / 6 mL | 98-0604-0504-4 | 4352HD2 |
| Cation-SR (2-layer) | metals, amines | 10 mm / 6 mL | 98-0604-0508-1 | 4351HD2 |
| Universal Resin (UR) | A range of basic, neutral, and acid compounds | 7 mm / 3 mL | 98-0503-0153-4 | 4245SD |
| Chelating | divalent metals and other divalent cations | 7 mm / 3 mL | 98-0604-0701-6 | 4371HD |

Empore™ 96-Well Plates

96-Well plates are available by the plate or in a case of 12.

| Sorbent | Suggested Application | Size (mL) | Product Number | Catalog Number |
|----------------------|--|-----------|----------------|----------------|
| C8-SD | Moderately nonpolar analytes | 1.2 | 70-2007-3981-4 | 6014SD |
| | | 2.5 | 70-2007-3986-3 | 6314SD |
| C18-SD | Strongly nonpolar analytes | 1.2 | 70-2007-3982-2 | 6015SD |
| | | 2.5 | 70-2007-3987-1 | 6315SD |
| MPC-SD | Moderately nonpolar and ionized analytes | 1.2 | 70-2007-3983-0 | 6030SD |
| | | 2.5 | 70-2007-3980-6 | 6330SD |
| SDB-XC | Water soluble, polar analytes | 1.2 | 98-0405-0081-4 | 6040 |
| | | 2.5 | 98-0405-0086-7 | 6340 |
| SDB-RPS | moderately nonpolar and cation exchange | 1.2 | 98-0405-0080-6 | 6041 |
| | | 2.5 | 98-0405-0085-9 | 6341 |
| Cation-SR Exchange | Metal, amines, positively charged analytes | 1.2 | 98-0405-0082-2 | 6051 |
| | | 2.5 | 98-0405-0087-5 | 6351 |
| Anion-SR Exchange | chromium, arsenic, selenium, carboxylic acids, etc | 1.2 | 98-0405-0083-0 | 6052 |
| | | 2.5 | 98-0405-0088-3 | 6352 |
| UR (Universal Resin) | Mixed phase suitable for hydrophilic (acidic or basic) and moderately hydrophobic analytes | 1.2 | 98-0405-0075-7 | 6045SD |
| | | 2.5 | 98-0405-0077-3 | 6345SD |
| Filter Plate | Removal of visible particulates | 1.2 | DI-1000-1042-7 | 6065 |
| | | 2.5 | 70-2007-3988-9 | 6360 |

HD = High Density
SD = Standard Density

Empore™ Accessories and EZ-Trace Workstation

| Description | Suggested Application | Quantity | Product Number | Catalog Number |
|------------------|--|-----------------|----------------|----------------|
| Filter Aid | Empore extraction disks | 1.5 kg / bottle | 98-0503-0076-7 | FAID400 |
| Sealing Tape Pad | sealing tape pad for 96-well plates | 10 / 60 | 98-0604-0472-4 | 660 |
| EZ-Trace | Universal compatibility with Empore 47/90mm SPE disks and cartridges, other vendor's disks, and traditional SPE cartridges | 1 | 98-0604-0801-7 | 8000 |

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