



Panthera Deluxe
MicroElute

Panthera Deluxe MicroElute Plate is Orochem's unique well design. It provides a high sorbent bed and minimum void volume. It fits low sample volume bioanalysis in the pharmaceutical industry, CRO, and clinical diagnostics labs.

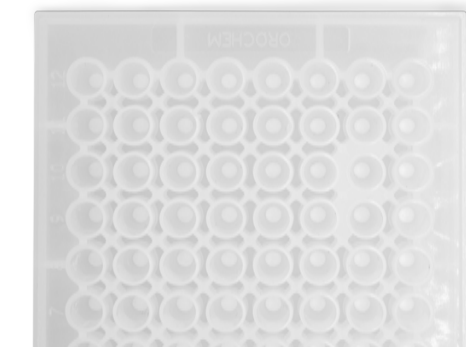


Features

- ▶ Polymeric reversed-phase SPE sorbents
- ▶ The sample loading volume: 10-500 μ L
- ▶ Minimum elution volume: 25 μ L
- ▶ Compatible with most liquid handling systems
- ▶ Recommend to use with positive pressure processor and vacuum manifold
- ▶ High recovery 96-well collection plate

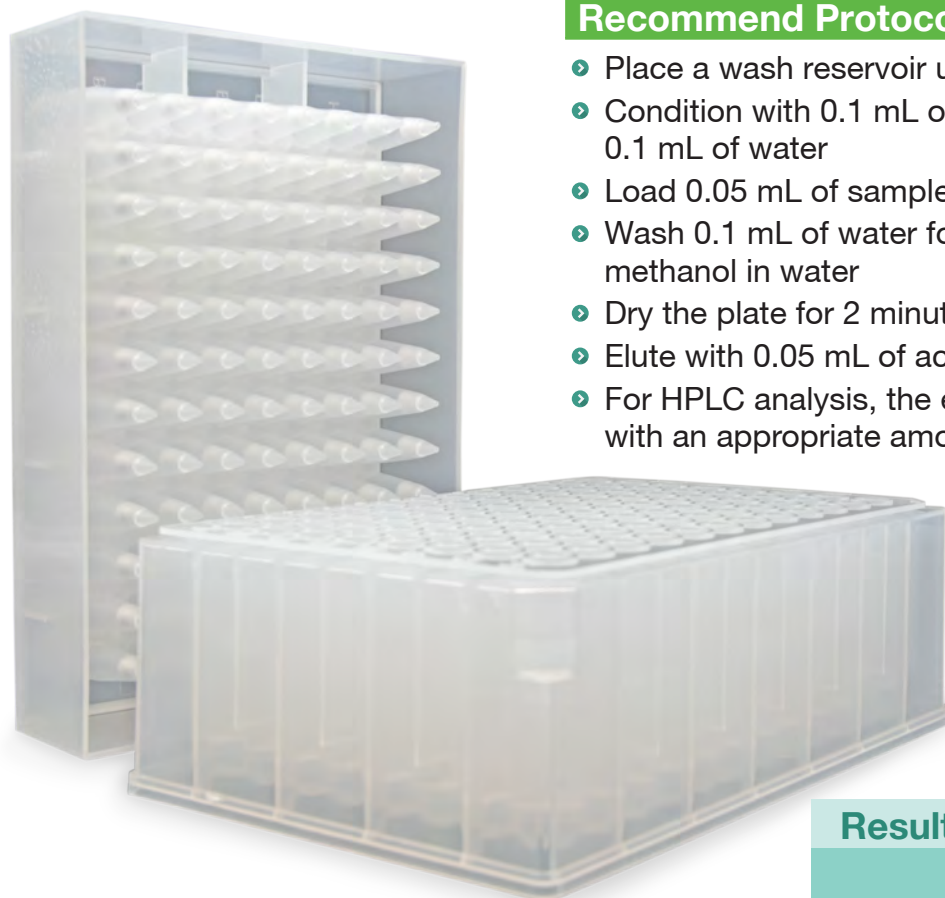
Advantages

- ▶ Minimum void volume to achieve maximum solvent recovery
- ▶ High sorbent bed height to obtain maximum sorbent capacity
- ▶ Reproducible packing and recovery
- ▶ Significantly reduce the solvent consumption
- ▶ High sensitivity
- ▶ Possible for up to 20-fold sample enrichment





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Recommend Protocol

- Place a wash reservoir under the MicroElute plate
- Condition with 0.1 mL of methanol, followed by 0.1 mL of water
- Load 0.05 mL of sample
- Wash 0.1 mL of water followed by 0.1 mL of 5% methanol in water
- Dry the plate for 2 minutes
- Elute with 0.05 mL of acetonitrile collection plate
- For HPLC analysis, the eluate could be further diluted with an appropriate amount of water or buffer

Results:

	Recovery%	CV%
Acetaminophen	106.0	2.6
Caffeine	106.7	2.8
Hydrocortisone	116.2	2.1
Carbamazepine	109.8	2.4