

Porvair Sciences introduces Microlute™ Supported Liquid Extraction (SLE) Products

Description

Supported Liquid Extraction (SLE) is becoming an established replacement in the sample clean up laboratory replacing liquid-liquid extraction. Compared to LLE, it is more efficient, capable of handling the smaller volumes required in today's laboratory and is much easier to automate using robotic systems.

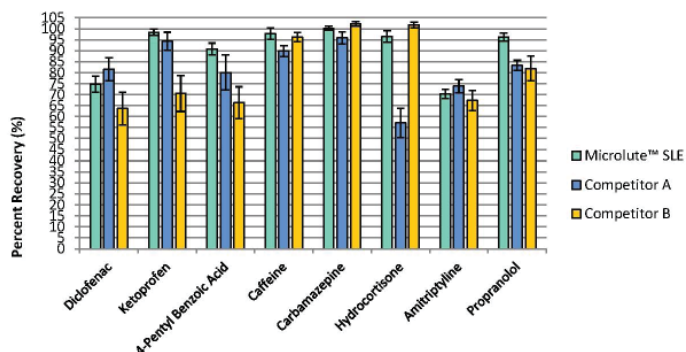
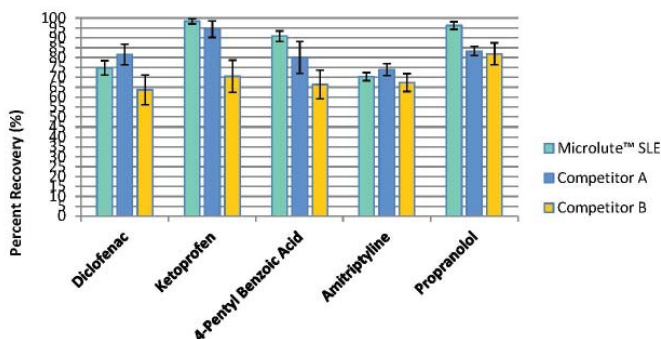
The **Microlute™ SLE** product range is manufactured using our selected grade of diatomaceous earth. Contrary to some claims, DE is not running out and has a high degree of reproducibility. All products are manufactured in our Class 100000 clean room to ensure every product is contamination free. Combine this with the proven low extractables and leachables from our plastic plates and cartridges gives a product that will remove unwanted components allowing high recovery of analytes of interest.



Addressable applications

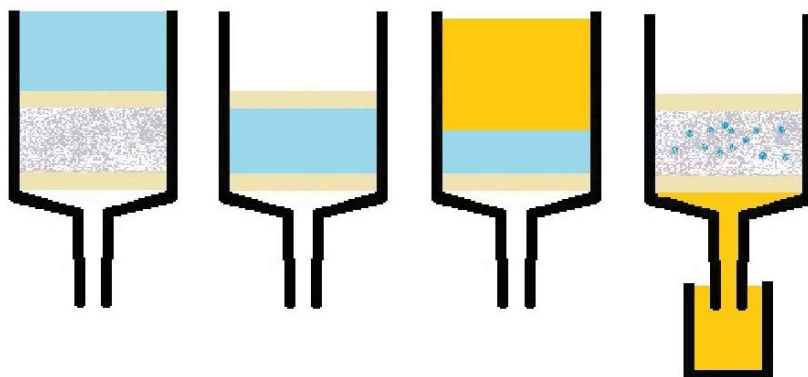
Principally used for protein, phospholipid and salt removal from biological samples prior to chromatography and mass spec analysis.

Percent Recovery



Protocol

1. The aqueous sample is loaded into the well.
2. It is allowed to soak into the bed for ~5 minutes under the influence of gravity.
3. An organic solvent is used to elute analytes from the media.
4. An organic eluant is used to elute analytes from the media, leaving proteins, phospholipids and salts



Since the aqueous component is retained on the SLE tube, only organic solvent is collected in the eluted sample. This makes drying and concentrating much quicker.

Part No.	Description	Case
PSLE2003-050	SLE 200mg / 3mL cartridge	50
PSLE200P-001	SLE 200mg / 96 well plate	1
PSLE4003-050	SLE 400mg / 3mL cartridge	50
PSLE400P-001	SLE 400mg / 96 well plate	1