ISOLUTE® SLE+ Supported Liquid Extraction Products

Simple Load-Wait-Elute Methodology

ISOLUTE® SLE+

Supported Liquid Extraction Columns and Plates

ISOLUTE® SLE+ Supported Liquid Extraction products are designed to provide stress free extraction of analytes from biological fluids, using a simple **Load-Wait-Elute** methodology.

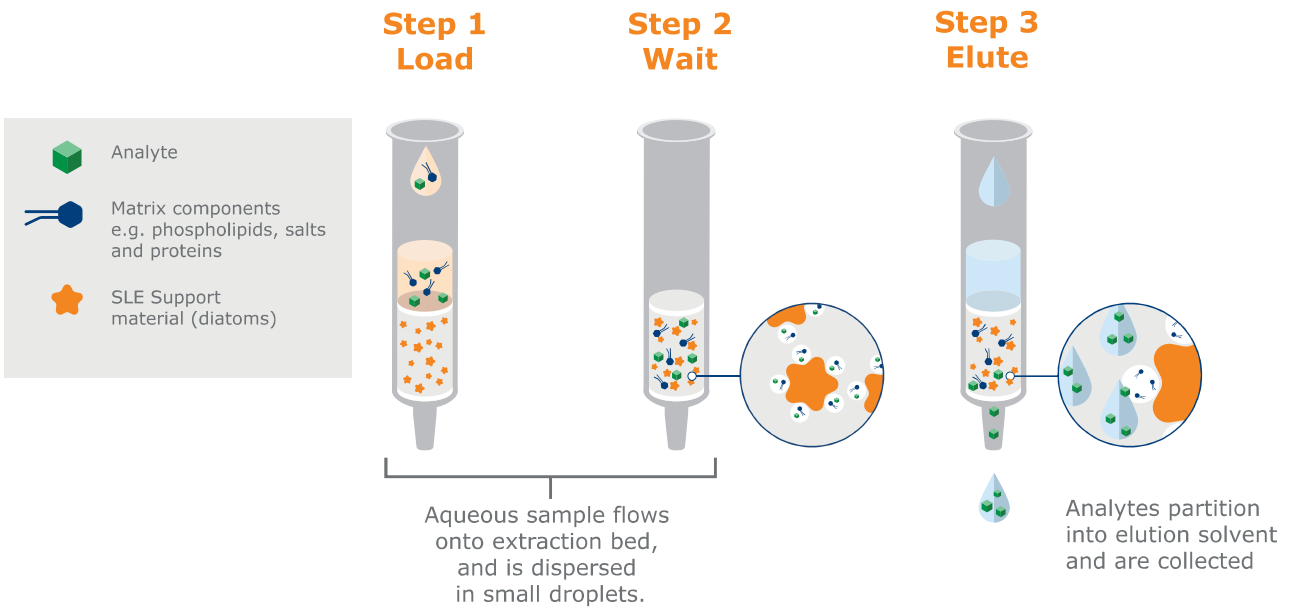
The supported liquid extraction (SLE) process is analogous to traditional liquid-liquid extraction (LLE) and utilizes the same water immiscible solvent systems for analyte extraction. Instead of shaking the two immiscible phases together, in SLE, the aqueous sample is immobilized on an inert support, and the organic phase flows through the support, eliminating problems such as emulsion formation and low analyte recoveries.

Methods with high analyte recoveries, and clean, protein and phospholipid free extracts, are easy to develop and automation is simple.

Select the correct ISOLUTE SLE+ product based on the volume of sample to be extracted (**see Table 1**). Extraction solvent volumes are also listed.

Table 1.
Recommended sample and elution volumes for ISOLUTE® SLE+ products.

Product Description	Maximum Load Volume	Elution Protocol/Volume
200 µL 96-well plate	200 µL	1 x 1 mL
400 µL 96-well plate	400 µL	2 x 900 µL or 3 x 700 µL
1 mL 48-well plate	1 mL	5 x 1 mL
200 µL Array well/plate	200 µL	2 x 600 µL
400 µL Array well/plate	400 µL	3 x 750 µL
400 µL column	400 µL	2 x 900 µL
1 mL column	1 mL	2 x 2.5 mL
2 mL column	2 mL	2 x 5 mL
5 mL column	5 mL	3 x 8 mL
10 mL column	10 mL	2 x 20 mL



Typical ISOLUTE SLE+ procedure.

96-Well Plates

Part Number	Description	Qty.
820-0200-P01	ISOLUTE SLE+ 200 µL Supported Liquid Extraction Plate	1
820-0400-P01	ISOLUTE SLE+ 400 µL Supported Liquid Extraction Plate	1

48-Well Plates

Extract 1 mL sample volumes in high throughput microplate format

Part Number	Description	Qty.
820-1000-Q01	ISOLUTE SLE+ 1 mL Supported Liquid Extraction Plate (48-well)	1

Columns

Part Number	Description	Qty.
820-0055-B	ISOLUTE SLE+ 400 µL Sample Volume	50
820-0055-BG	ISOLUTE SLE+ 400 µL Sample Volume (Tabless)	50
820-0140-C	ISOLUTE SLE+ 1 mL Sample Volume	30
820-0140-CG	ISOLUTE SLE+ 1 mL Sample Volume (Tabless)	30
820-0290-D	ISOLUTE SLE+ 2 mL Sample Volume	20
820-0690-E	ISOLUTE SLE+ 5 mL Sample Volume	20
820-1420-F	ISOLUTE SLE+ 10 mL Sample Volume	16

Bulk Packs

To reduce packaging and improve workflow, ISOLUTE® SLE+ columns are available in bulk pack sizes

Part Number	Description	Qty.
820-0055-B-500	ISOLUTE SLE+ 400 µL Sample Volume	500
820-0055-BG-500	ISOLUTE SLE+ 400 µL Sample Volume (Tabless)	500
820-0140-C-1000	ISOLUTE SLE+ 1 mL Sample Volume	1000
820-0140-CG-1000	ISOLUTE SLE+ 1 mL Sample Volume (Tabless)	1000
820-0290-D-1000	ISOLUTE SLE+ 2 mL Sample Volume	1000

Array Wells

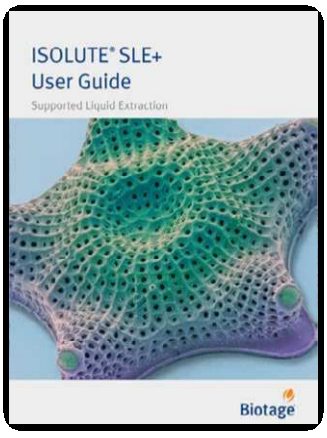
Part Number	Description	Qty.
820-0200-T	ISOLUTE SLE+ 200 µL Array Wells	100
820-0400-T	ISOLUTE SLE+ 400 µL Array Wells	100

Accessories

Part Number	Description	Qty.
121-5202	Collection plate, 1 mL, square	50
121-5203	Collection plate, 2 mL, square	50
121-5213	Collection plate, 2 mL, round	50
121-5210	Collection plate, 5 mL, 48-well	20

ISOLUTE® SLE+ User Guide

For further information download the ISOLUTE® SLE+ User Guide from **www.biotage.com**. Literature part number UI304.



Biotage are constantly developing new applications on ISOLUTE SLE+ products. Visit **www.biotage.com** for the latest information.