

1. Sample Pre-treatment

Prior to sample loading on the Strata DE sorbent, dilute samples at least 1:1 (v/v) with the recommended aqueous buffer and loading volumes (see below).

Recommended Buffers

Acidic Analytes <i>i.e.</i> -COOH	1 % Aqueous Formic acid
Neutral Analytes	Water
Basic Analytes <i>i.e.</i> -NH ₂	0.5 M Ammonium hydroxide (NH ₄ OH)

2. Load Sample

Place a collection tube or plate below the Strata DE tube or plate. Add pre-treated sample to the Strata DE sorbent and allow the liquid to completely enter the sorbent bed (pulse vacuum or apply positive pressure if necessary) and wait for 5 minutes.

Recommended Loading Volumes

200 µL 96-Well Plate	200 µL (sample plus diluent)
400 µL 96-Well Plate	300 µL (sample plus diluent)
2 mL Capacity 12cc Tube	2 mL (sample plus diluent)
20 mL Capacity, 60 cc Tube	17 mL (sample plus diluent)

Recommended volumes are the expected loadability for most samples, however, it may be possible to load more than the stated capacity without breakthrough of sample.

3. Elute

Apply preferred elution solvent to sorbent and allow it to completely elute from the sorbent via gravity. Evaporate to dryness and reconstitute in mobile phase.

Recommended Elution Solvents



Recommended Elution Volumes

200 µL 96-Well Plate	2x 600 µL
400 µL 96-Well Plate	3x 600 µL
2 mL Capacity 12cc Tube	2x 5 mL
20 mL Capacity, 60 cc Tube	3x 20 mL

Visit
www.phenomenex.com/StrataDE
 to learn more