

OASIS C18 clean-up, 2 and 10 mg sorbent

The Oasis HLB 96-well plate contains the Oasis HLB sorbent, which is a universal polymeric reversed-phase sorbent that was developed for the extraction of a wide range of acidic, basic, and neutral compounds from various matrices. This sorbent has been found to retain ionized analytes more strongly than silica-based RP sorbents. However, recoveries may be enhanced when analyte ionization is suppressed. For acidic analytes, adjust the sample pH at least two pH units below the pKa of the acid. For basic analytes, adjust the pH to at least two pH units above the pKa of the conjugated acid.

Note: As a rule of thumb, the loading capacity is about 50 times lower than the sorbent weight.

*Oasis HLB 96-well μ Elution Plate, **2 mg** Sorbent per Well, 30 μ m (Part no. 186001828BA)*

Add 0.1% TFA solution to the peptides to reach an app. 300 μ l peptide solution. Adjust pH to 2-3 by adding 10% TFA to reach final 0.5-1% TFA

Column wetting

500 μ L 80% ACN, 0.1% FA. 200 x g - 1 min

Column conditioning

500 μ L 0.1% TFA. 200 x g - 1 min

500 μ L 0.1% TFA. 200 x g - 1 min

Sample binding

300 μ L sample. 100 x g - 3 min

(Keep centrifuging at 100 x g if sample is not fully loaded)

Sample cleaning

500 μ L 0.1% TFA. 200 x g - 1 min

500 μ L 0.1% TFA. 200 x g - 1 min

500 μ L 0.1% TFA. 200 x g - 1 min

Sample elution

100 μ L 70% ACN, 0.1% FA. 100 x g - 1 min

100 μ L 70% ACN, 0.1% FA. 100 x g - 1 min

Freeze eluent at -80 °C, and lyophilize in freezevac

Proteomics Unit at University of Bergen

Oasis HLB 96-well Plate, **10 mg** Sorbent per Well, 30 μm (Part no. 186000128)

Add 0.1% TFA solution to the peptides to reach an app. 500 μl peptide solution. Adjust pH to 2-3 by adding 10% TFA to reach final 0.5-1% TFA

Column wetting

1 mL 80% ACN, 0.1% FA. 200 x g - 2 min

Column conditioning

1 mL 0.1% TFA. 200 x g - 2 min

1 mL 0.1% TFA. 200 x g - 2 min

Sample binding

500 μL sample. 150 x g - 6 min

RELOAD flowthrough, 150 x g for 6 min

(Keep centrifuging at 150 x g if sample is not fully loaded)

Sample cleaning

1 mL 0.1% TFA. 200 x g - 2 min

1 mL 0.1% TFA. 200 x g - 2 min

1 mL 0.1% TFA. 200 x g - 2 min

Sample elution

250 μL 70% ACN, 0.1% FA. 150 x g - 3 min

250 μL 70% ACN, 0.1% FA. 150 x g - 2 min

Freeze eluent at -80 °C, and lyophilize in freezevac