

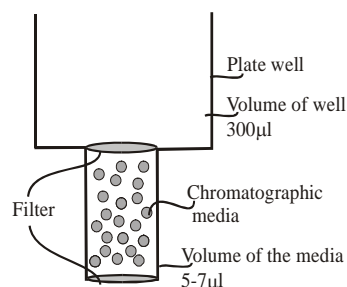
Thermo

SCIENTIFIC

HyperSep™ Filter Plate 5-7µL Instructions for Titanium Dioxide & Zirconium Dioxide

Part Numbers: 60110-406 (ZrO₂), 60110-407 (TiO₂)

INTRODUCTION: HyperSep Filter Plates contain a filter at the bottom of each well and can be used under vacuum or with a centrifuge. They are ideal for the clean-up and purification of µg to mg scale samples. The chromatographic bed volume is 5-7µL, which may contain 3-10mg of media, dependent upon the media used.



Micro Filter plate

Recommended Solvents

Loading buffer: 0.3-2% HCOOH

Wash buffer: Water or 0.3-2% HCOOH

Elution buffer: NH₄OH (pH 9.5-11)

The above buffers are recommendations, you may wish to use different buffers according to your application.

Sample Binding

1. Pipette 10-25µL of the appropriate loading buffer and spin at 1000rpm for a few minutes or apply vacuum.
2. Repeat this procedure 2-3 more times

Sample Washing

Wash with 10-25µL volumes of the wash buffer 10 times, discarding the expelled solution each time. This will eliminate salts, lipids & detergents.

Sample Release

Pipette 5-20 μ L of elution buffer and spin at 1000rpm or apply vacuum. Repeat two times to get maximum recovery. Evaporate the solvent or proceed directly to the next analysis.