

Standard Filter Vial™

Patented



**Standard For
Most Samples**

Standard Filter Vials (120µL Dead Volume)

Thomson Standard Filter (*patented*) can be used for samples containing less than 10% solid particulates. The filter vial consists of two parts: a filter vial shell and a plunger which includes a single layer filter on one end and a vial cap on the other end.

Applications for Thomson Standard Filter Vials include filtration of catalysts from organic and medicinal chemistry synthesis reactions, saccharide analysis in corn syrup, and in-vial protein precipitation.



Filter Vial (Pre-Slit Cap)

.2µM PTFE

Part No. 35530



.45µM PTFE

Part No. 35540



.2µM PVDF

Part No. 35531



.45µM PVDF

Part No. 35541



.2µM NYLON

Part No. 35538



.45µM NYLON

Part No. 35539



.2µM PES

Part No. 35535



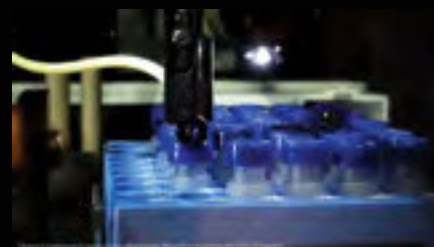
.45µM PES

Part No. 35545



SINGLE STEP® Filter Vials Patented

Open Access LCMS



“We've been pounding our walk up systems for **over a year** without a single clog.”

-Justin
University of Arizona

Thomson Instrument Company is not affiliated with Waters® its product the UPLC® Aquity® or The University of Arizona.

Protein Precipitation with SINGLE StEP Filter Vials™ Patented



Vortex Sample

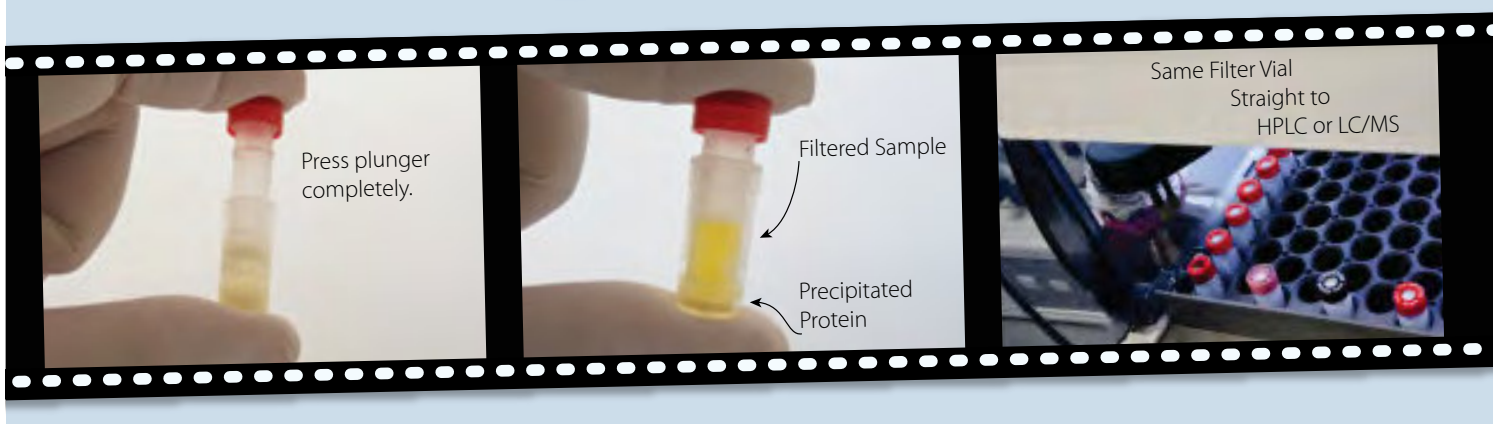
20-40 seconds



Protein Crash

Recommended PVDF .2 μ M Filter Vial

Use #35531-200 or 35531-500



How to Mass Spec Your TLC Spots Using Thomson Filter Vials

1. After eluting analytical TLC plates, scrape-off desired spots into Thomson Shell Vial



2. Add 0.4 mL EtOAc to Shell Vial

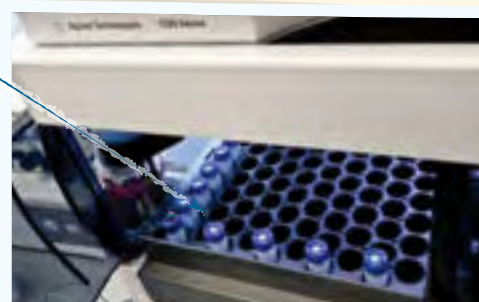


3. Next, insert Plunger, press half way down and shake or swirl to extract compound from silica gel.



4. Press down plunger completely to filter sample

5. Same Filter Vial straight to Mass Spec



CORN SYRUP ANALYSIS SACCHARIDES (LIQUID CHROMATOGRAPHY)

with Filter Vials

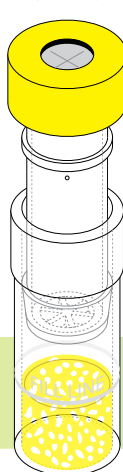
Patented

E-61
CRA Test*

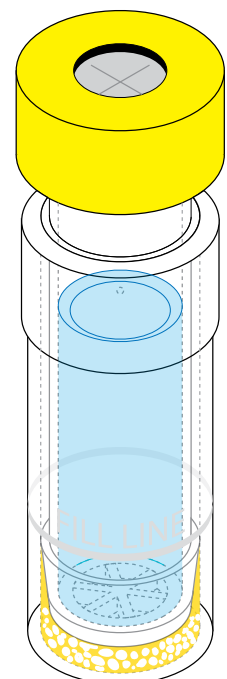
Customers conducting the *CRA E-61* test prefer **Thomson PVDF .45µm Filter Vials** to the standard *syringe filter method*, for **Cost Savings & Speed of use**.



PUSH



Thomson PVDF Filter Vial 0.45µm
Part Number 35541-200 & 35541-500



*Thomson Instrument Company is not affiliated with Corn Refiners Association, Inc. and this system is not sanctioned by Corn Refiners Association, Inc., although some analysts are using Filter Vials in the Field for this purpose.