

# Reliable Tools for Trace Analysis Labs

## Dispensette® S Trace Analysis

The Dispensette S Trace Analysis provides outstanding performance for precise-volume dispensing of high-purity media for trace analysis. The Dispensette S Trace Analysis is also suitable for dispensing HF (Pt-Ir model).

The components of the fluid path have been selected to only contain the highest purity materials, such as fluoroplastics and sapphire. Depending on application, either platinum-iridium (Pt-Ir) or tantalum (Ta) valve springs can be chosen. The volume range is from 1 to 10 mL.

- All high purity materials
- Suitable for analysis in ppb and ppt range
- Fits most common lab bottles
- Easy to disassemble for replacement of dispensing cartridge.
- Wiping seal maintains chemical purity
- Optional flexible discharge tube simplifies serial dispensing (not approved for dispensing HF)



No recirculation valve                      Recirculation valve

Volume, mL	Valve Spring	Cat. No.	Cat. No.
<b>Dispensette® S Trace Analysis, Analog-adjustable</b>			
1-10	Platinum-iridium	4640040	4640041
1-10	Tantalum	4640240	4640241

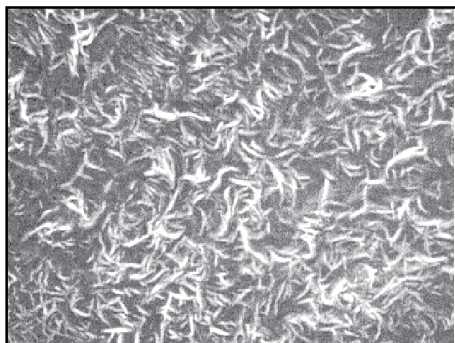
**VITLAB®** 

## VITLAB® PFA Labware: pure, cleanable, rugged

Scanning electron microscopy illustrates the advantages of PFA in trace analysis. (Magnification: 8000X)

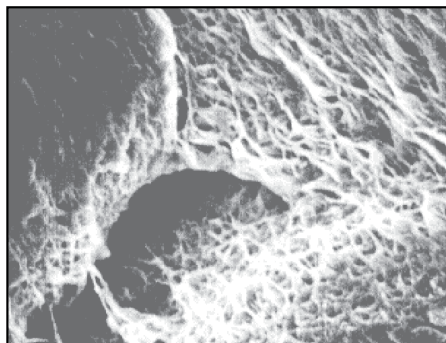
### Bottle – HDPE

Scanning electron microscopy of this bottle wall shows the roughness of HDPE. The increased surface area of HDPE can lead to carryover of reagent molecules.



### Beaker – PTFE

Similar to HDPE, electron micrographs of this PTFE beaker reveal a typically rough surface that can interact with reagent molecules and complicate cleaning.



### Evaporating dish – PFA

Even at 8000x magnification, the surfaces of this PFA evaporating dish are very smooth. It is this smoothness, combined with PFA's hydrophobic, anti-adhesive and inert properties, that simplify cleaning.



## Low-form Griffin Beakers, PFA



- Molded graduations are easy to read and resistant to wear from repeated use.
- Nesting design conserves bench and storage space.
- Autoclavable at 121 °C (250 °F) and easy to clean.
- Can withstand temperatures from -200 °C to +250

## Wide Mouth Reagent Bottles with screw caps, PFA



- Leach-resistant bottles for long-term storage of solvents and standards.
- PFA screw caps have a molded sealing ring for a positive seal.
- Autoclavable at 121 °C (250 °F) and easy to clean.
- Can withstand temperatures from -200 °C to +250

Volume mL	Grad mm	Height mm	Diameter mm	Qty./Pack	Cat. No.
25	5	50	32	1	V110205
50	10	59	39	1	V110305
100	20	72	50	1	V110405
250	50	96	67	1	V110605
500	100	122	88	1	V110905
1000	100	141	109	1	V111005

Volume mL	Height mm	Diameter mm	Thread	Qty./Pack	Cat. No.
250	150	61	S40	1	V109497
500	179	76	S40	1	V109597
1000	217	96	S40	1	V109697
2000	245	130	S40	1	V109797

## Volumetric Flasks with screw caps, PFA



- Flasks feature individually calibrated ring-markings.
- Durable markings are easy to read. Limit cleaning temperature to 60 °C (140 °F) to preserve ring mark.
- High-transparency simplifies meniscus verification.
- PFA screw caps help protect against outside contamination and leakage.
- Meets Class A tolerances per DIN EN ISO 1042.
- Easy to clean. Autoclavable at 121 °C (250 °F) without affecting tolerances.

## Narrow Mouth Reagent Bottles with screw caps, PFA



- Leach-resistant bottles for long-term storage of solvents and standards.
- PFA screw caps have a molded sealing ring for a positive seal.
- Autoclavable at 121 °C (250 °F) and easy to clean.
- Can withstand temperatures from -200 °C to +250 °C.

Volume mL	Tolerance mL	Height mm	Thread GL	Qty./Pack	Cat. No.
10	0.04	90	18	1	V107097
25	0.04	115	18	1	V107197
50	0.06	150	18	1	V107297
100	0.10	180	18	1	V107397
250	0.15	235	25	1	V107497

Volume mL	Height mm	Diameter mm	Thread	Qty./Pack	Cat. No.
50	86	37	S28	1	V109297
100	120	45	S28	1	V109397
250	160	61	S28	1	V108297
500	190	76	S28	1	V108397
1000	240	96	S28	1	V108497

## Sample Containers with screw cap, PFA



- For sample collection, transport and storage.
- Supplied with a PFA screw cap.
- Autoclavable at 121 °C (250 °F) and easy to clean.
- Can withstand temperatures from -200 °C to +250 °C.

Volume mL	Height mm	Diameter mm	Thread GL	Qty./Pack	Cat. No.
30	54	38	40	1	V130297
60	90	38	40	1	V130397
90	62	54	56	1	V130497
180	112	54	56	1	V130597

Product appearance, catalog numbers, prices, specifications, and technical information are subject to change without notice.