Sample preparation with glass pipettes

Automated liquid handling on the PAL RTC

The CHROMTECH option aspirates defined liquid volumes and dispenses solvents, samples and internal standards into sample vessels or glass columns for purification.



METHOD-BASED WORKFLOW

Aspiration
Take liquid slowly and in a controlled manner.

Distribution
Dosage specified sub-volumes on several targets.

Cleaning
Condition glass columns and charge them with sample.

PIPETTE TUBE - COOLED VERSION

PAL3 Custom Tray/TrayHolder "Pipette Tube" - Cooled version. For conical AR glass pipette tubes with smoothly fused edge.

Length	230 ± 1,0 mm
Diameter	8 ± 0,10 mm
Wall thickness	0,9 ± 0,03 mm
Tip length	ca. 20 mm
Hole diameter of the tip	0.4 to 0.7 mm

The lowest tray (VT98 or VT32) is cooled by a circulating cooler.

Circulators and VT32 and VT98 trays are not included.

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Option: cooled vials

Second configuration for sample handling

The additional embodiment combines the sample preparation with glass pipettes with cooled vials for sample reception. The structure shown combines cooled vial trays and holders for the pipette tubes on the PAL RTC.



Application setup with cooled vial trays and glass pipette holders.



Holder detail with aluminum rack

IMPLEMENTATION BY APPLICATION

The selection of sample vessels, trays and holders is coordinated with the intended workflow.

The photos show an application setup. The device configuration is determined individually; the figure does not give a flat-rate delivery.

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