

prepFAST Station

Automatic Sample Preparation System

prepFAST Station automates routine laboratory functions, saving time and improving reproducibility.

Fully Automated Sample Preparation

- Autodilution
- Acidification
- Internal standard addition
- Mixing

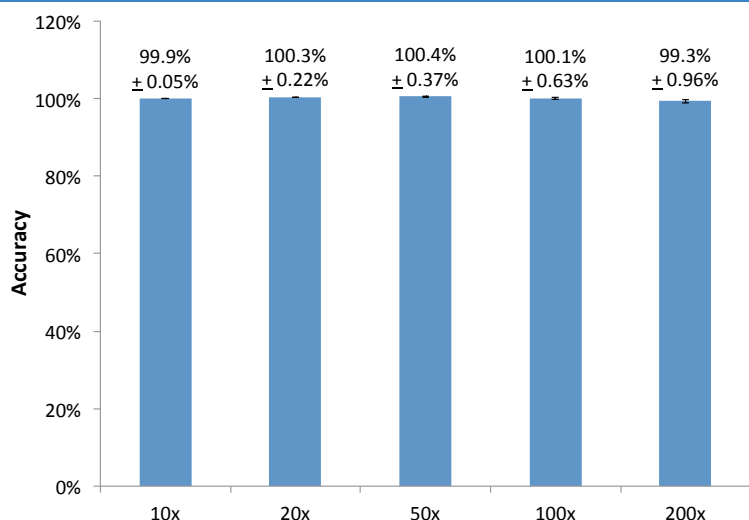
Easy to Use

- Integrated touch screen control
- Defined methods
- Customizable methods support every application

Syringe Autodilution

- Accurate
- Precise
- Clean (low blanks and LODs)
- Dilution factors from 1x to >100x

Accuracy and Precision – Gravimetric



Accuracy and precision gravimetrically determined at dilution factors of 10, 20, 50, 100 and 200 fold. Precision and accuracy at DF below 50 are similar to values quoted for manual pipettes and significantly better than ICP and ICPMS analytical precision.



prepFAST Station Features Diagram

Dual Parabolic Probe

- Two probes integrated in one
- One probe for picking up sample aliquot
- Second probe for mixing diluted sample in the destination vial
- Second probe can also be used to stir up sample prior to aliquot
- Second probe is controlled via MFC

Sample Containers

- Flexible rack configurations
- Samples from micro vials to large bottles

Sample Syringe

- Used to pick up sample aliquot from Source vial

Integrated Touchscreen

- Easy-to-use software
- Can save up to 5 different protocols unique to users' lab

AutoAlign Arm

- Self-aligns after encountering capped sample tube
- Metal-free fluoropolymer probe aligner

Dual Overflowing Rinse Stations

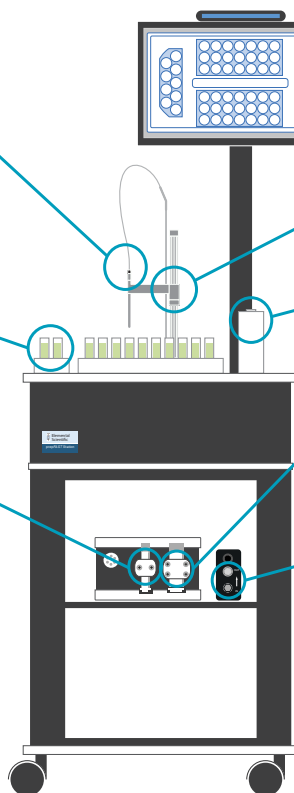
- Ultra-low cross-contamination
- Independently pumped for low rinse consumption

Diluent Syringe

- Used to add diluent in Destination vial

Mass Flow Controller

- Used to mix samples after each sample is prepared
- Can be used to mix samples prior to aliquot to ensure homogenous sample uptake



TECHNICAL SPECIFICATIONS

	2DX	4DX	8DX	14DX
Height	69" (1753 mm)	69" (1753 mm)	69" (1753 mm)	69" (1753 mm)
Width	26" (660 mm)	35" (889mm)	35" (889mm)	46" (1168 mm)
Depth	13.6" (343 mm)	13.6" (343 mm)	24" (640 mm)	26" (660 mm)
Fluid Contact Materials	Components within sample flow path are inert, non-metallic materials			
Rack Options	Variety of racks to accommodate vials of all shapes and sizes			
Power Requirements	110V - 240V, 47-63 Hz, 7.2A One power outlet needed			



Elemental Scientific

sales@icpms.com | www.icpms.com