

prepFAST Offline Autodilution System

The prepFAST offline dilution system provides FAST automated syringe based sample preparation over a wide range (< 10 to > 100x) of dilution factors. Simultaneous mixing and diluting samples eliminates any manual/mechanical mixing step.

FEATURES:

- Fully automated
- Syringe-based sample handling
 - ✓ Sample never enters the syringe barrel
 - ✓ Automated diluent addition and mixing
 - ✓ Automated internal standard addition (optional)
- Syringe delivery of diluent
- Intuitive software
- Fluoropolymer flow path
- Probe rinse between every sample
- Low carryover
- Compatible with full range of ESI autosamplers

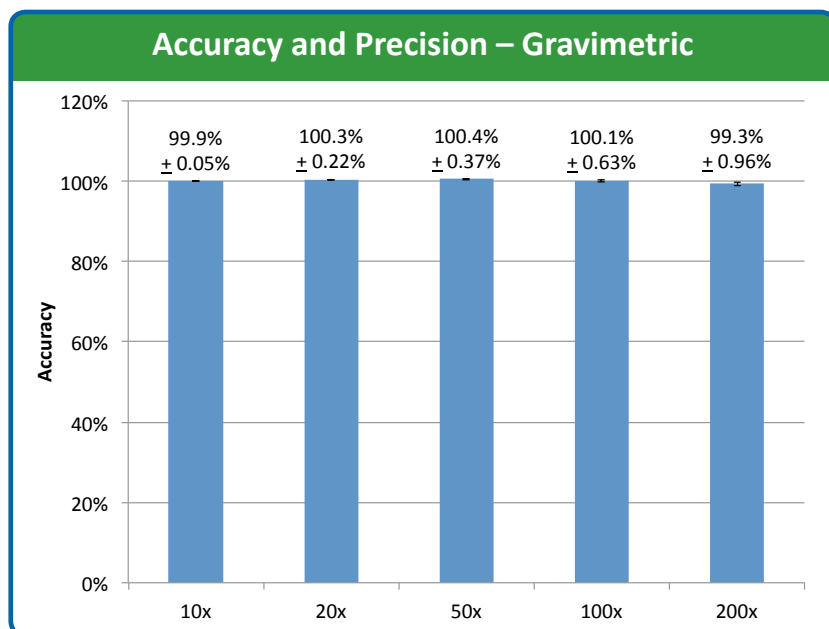


Figure 1. Accuracy and precision gravimetrically determined at dilution factors of 10, 20, 50, 100 and 200 fold. Precision and accuracy at DF below 50 are similar to values quoted for manual pipettes and significantly better than ICP and ICPMS analytical precision.

BENEFITS:

- Syringe autodilution
 - ✓ Fast
 - ✓ Wide range of dilution factors (< 10 to > 100x)
 - ✓ Accurate (<0.3%)
 - ✓ Precise (<0.3%)
 - ✓ Clean (low blanks and LODs)
 - ✓ No carry over
- Reduces time and cost of sample preparation