Elemental Scientific

TRAXStation *Digest*

Automated hot block digestion and sample preparation system

Automated Hot Block Digestion and Sample Prep

- Robotic sample handling processes samples through digestion and preparation
  - Uncapping, digesting, diluting, mixing, spiking, and filtering
- Set down capped samples and walk away - **TRAX**Station Digest does the rest

Improved Lab Safety

- Minimizes hands-on time and frees staff for higher-value tasks
- Fully enclosed design confines acid fumes and heat to isolated digestion chamber
- Reduces operator exposure to hazardous chemicals
- Metal-free, acid-inert construction

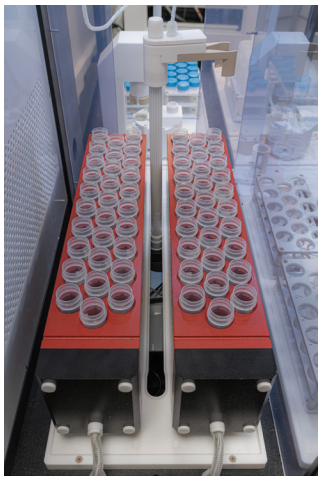
Enhanced Reproducibility and Traceability

- Standardizes sample handling and digestion conditions
- Reduces analyst-to-analyst variability
- Barcode reading creates a complete audit trail for the sample from start to finish

Learn More

Isolated Digestion Chamber

Safely confines heat and fumes to ventilated area.



TRAXStation Digest

Features Diagram

ULPAclean 10

- Provides positive pressure environment, keeping fumes in hot block digestion area
- ULPA filtered environment

Isolated Digestion Chamber

- Hot block digestion up to 150 °C
- Specialized ventilation provides laminar flow to remove fumes

TRAXFluoroGrip

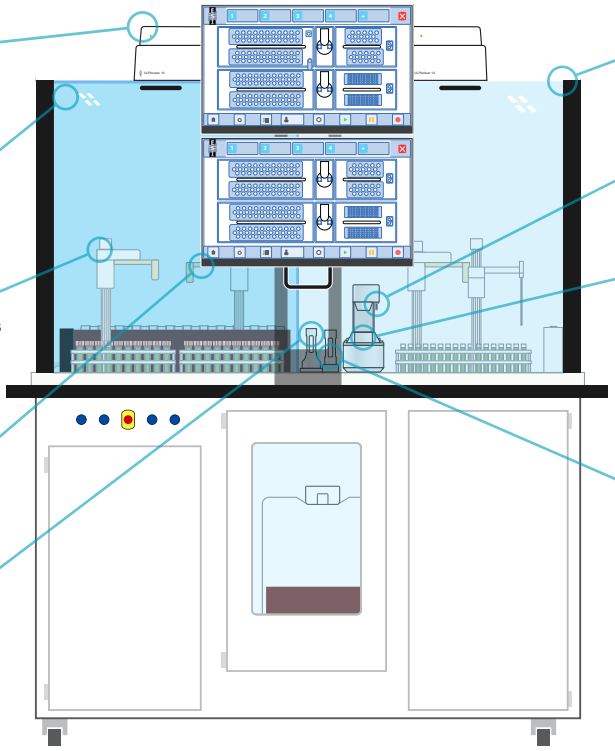
- Automatically accesses and grips sample vessels
- Transfers samples to TRAXLink for uncapping and barcode reading
- Acid-inert fluoropolymer material

TRAXDisplay

- Easily run methods with LabSymphony software
- Library stores unlimited number of methods
- Export data as .csv or Excel file to LIMS

TRAXSpin

- Automated vortex mixing



TRAXShield

- Protects lab from harmful fumes
- Easily access samples from all four sides

LinkDispense and LinkGauge

- Dynamically adjusts the volume of diluent based on the current volume in the tube

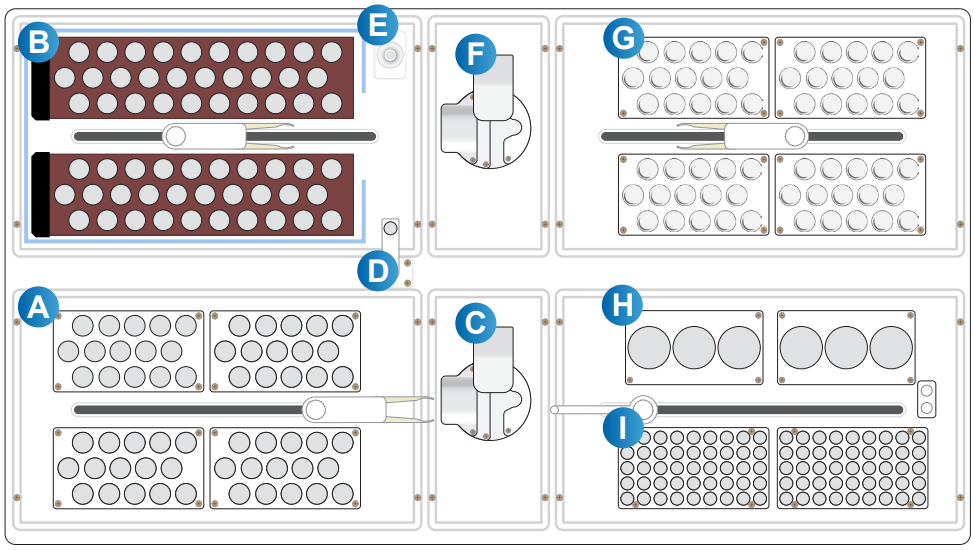
TRAXLink

- Automatic uncapping and recapping of sample vessels
- Barcode scanning and data communication with software
- Verifies capping and uncapping
- Measures sample volume before and after digestion

InterLink

- Transfers source vials to rear workflow
- Enables access to hot block digestion

TRAXStation Digest Automates All Sample Preparation Steps



A) Capped source samples

B) Hot block digestion

C) Barcode scanning, capping, uncapping, acid addition, volume sensing and dilution

D) Sample transfter to rear workflow

E) Vortex mixing

F) Uncapping/cap exchange

G) Cap storage

H) Reagents

I) Aliquoted samples

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