

HAMILTON

MassXtract STAR with Fluid Motion Technology

Fully Automated Mass Spectrometry Sample Prep



Automated Sample Preparation for Mass Spectrometry Workflows

Streamline mass spectrometry sample preparation with MassXtract STAR. This fully automated solution combines precision liquid handling, integrated devices, and VENUS Software to automate high-throughput protein precipitation and optional solid-phase extraction using [MPE]², helping reduce variability and support sample and data integrity. Onboard Fluid Motion Technology improves access across the pipetting deck while allowing channels to be exchanged by the user for added flexibility and easier service.

Designed for Efficient Operation

MassXtract prioritizes operator convenience with a reliable, high-throughput workstation that combines customizable software and flexible hardware for a streamlined user experience.



Fluid Motion Technology

Fluid Motion Technology increases pipetting deck access while enabling user-exchangeable channels, providing greater flexibility and simplified service.



VENUS Software

VENUS 6 Software offers a user-friendly interface, simple programming, remote monitoring, and flexible integrations with LIMS and other third-party software.

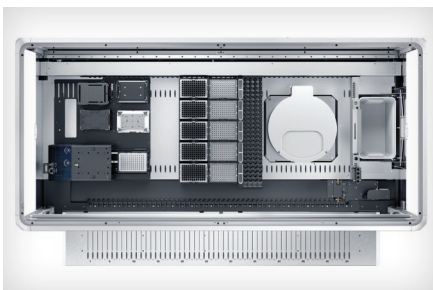
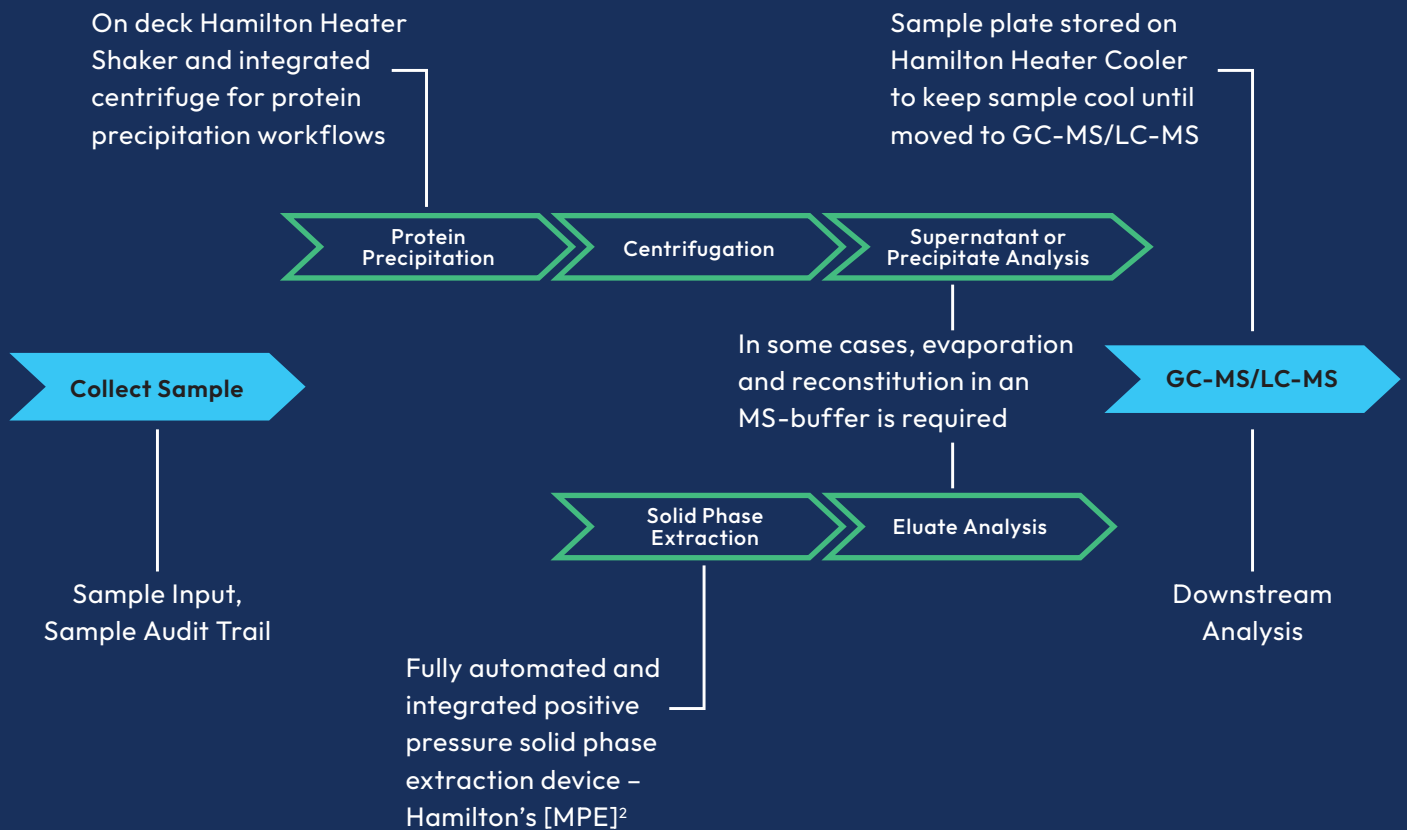


Framework

A pre-configured software framework helps simplify method development and accelerate implementation.

MassXtract STAR Workflows

Two Sample Prep Methods



Labware Flexibility

Multiflex base plates allow for custom plate, tip, and reservoir positioning, with additional deck space for workflows such as magnetic bead-based sample preparation.



Waste

Easily access tip waste from the right-side waste door.



Support and Service

Hamilton provides installation, preventative maintenance, and field service support to help maximize system performance throughout the instrument lifecycle.

Proven Integrated Technologies

All Assay Ready Workstations integrate proven technologies designed to automate application-specific workflows and simplify laboratory operations. MassXtract STAR can be tailored to automate both solid-phase extraction and protein precipitation mass spectrometry sample preparation workflows.



[MPE]²

Automate solid-phase extraction workflows with positive-pressure processing and optional evaporation and reagent dispensing capabilities.



Hamilton Heater Cooler

Keeps samples at controlled temperatures in between steps.



Hamilton Heater Shaker

Accelerate the precipitation process with shaking speeds up to 2,500 RPM and temperatures up to 105°C.



Centrifuge

Accommodates labware up to 60 mm (maximum height), and reaches a maximum g-force of 2000 x g.

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