

CHROMSYSTEMS

Diagnostics by HPLC & LC-MS/MS



MassPrep[®] – Automated LC-MS/MS Workflows

Modular system for clinical diagnostics

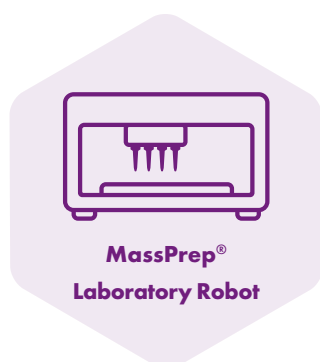
MassPrep® System Overview

The Chromsystems **MassPrep®** system enables automated and standardised workflows in clinical diagnostics using HPLC and LC-MS/MS.

The system consists of the **MassPrep®** Laboratory Robot, the **MassPrep®** Control software and the assay-specific **MassPrep®** AddOns. The AddOns instruct the robot which processing steps it must perform for each assay.

All system components are optimised to work together and integrate seamlessly with Chromsystems' automated assays.

MassPrep® System



Chromsystems Assays



MODULAR LAB AUTOMATION

Thanks to its open, modular architecture, the **MassPrep®** system can be integrated easily into existing laboratory infrastructures and is compatible with common LIS systems.

The modular design provides flexibility and future security: **MassPrep®** grows with the laboratory's needs and can be expanded and adapted to new technologies, assays, throughput requirements or spatial constraints.

- Standardised workflows
- Seamless sample and process traceability
- End to end digitalisation of all process steps
- Integration into existing laboratory environments
- Modular and expandable system architecture
- Adaptable to room layouts and sample throughput

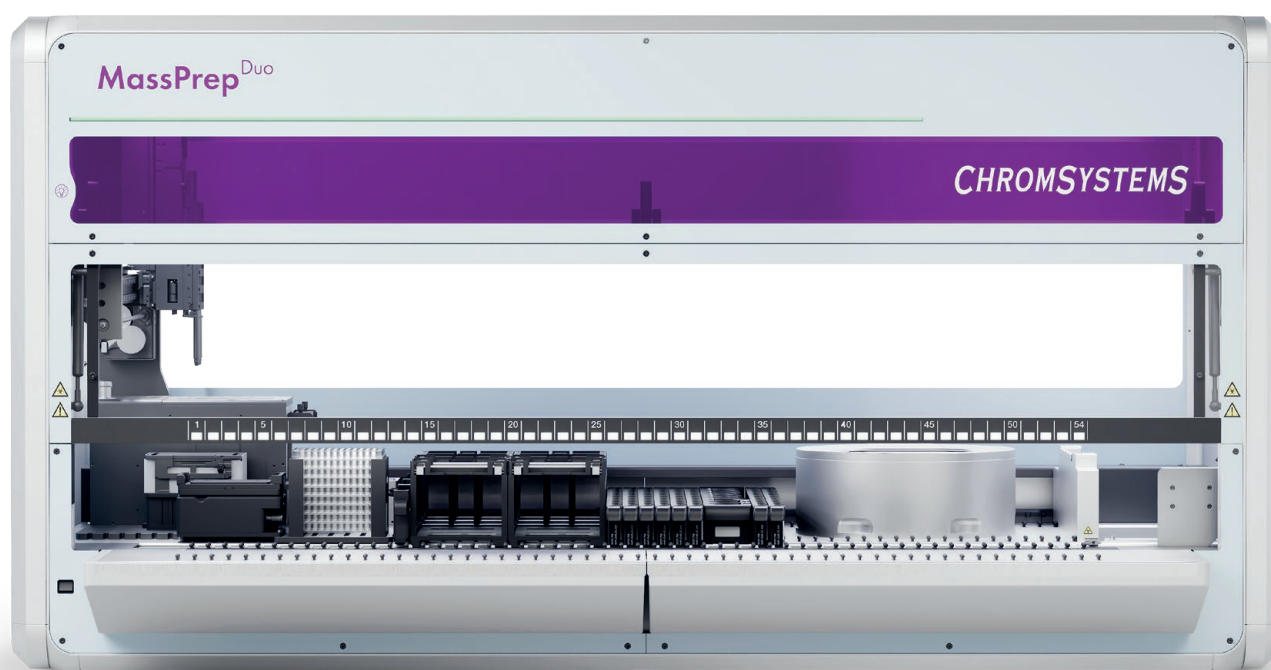
MassPrep[®] Laboratory Robot

The **MassPrep[®]** robot automates sample preparation for diagnostic Chromsystems assays. It was developed to perform tasks precisely, minimise pipetting errors and ensure consistent analytical quality.

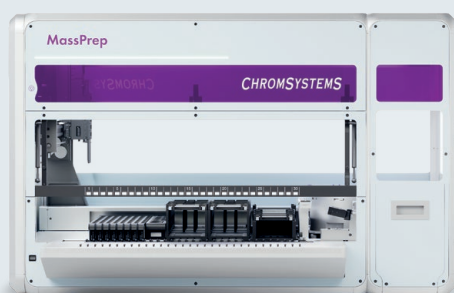
- Fully automated walk away operation
- High precision and process stability
- Flexible handling of reagents and consumables

Through integrated error recognition and advanced sensor technology, the robot monitors each pipetting step in real time. Deviations such as clot formation, foaming, or incorrect volumes are detected immediately and appropriately addressed.

- Real time error monitoring
- Complete traceability
- Secure reagent and sample identification

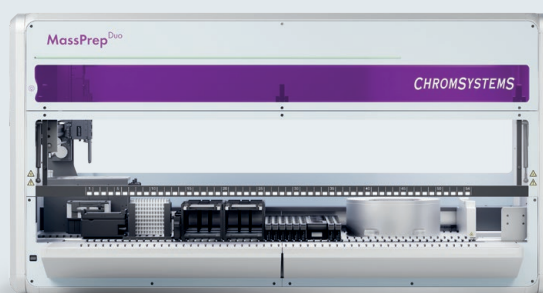


MassPrep[®]



MassPrep[®] is equipped with an integrated centrifuge and a heater–shaker, making it well suited to Chromsystems assays that require precipitation and filtration.

MassPrep[®] Duo

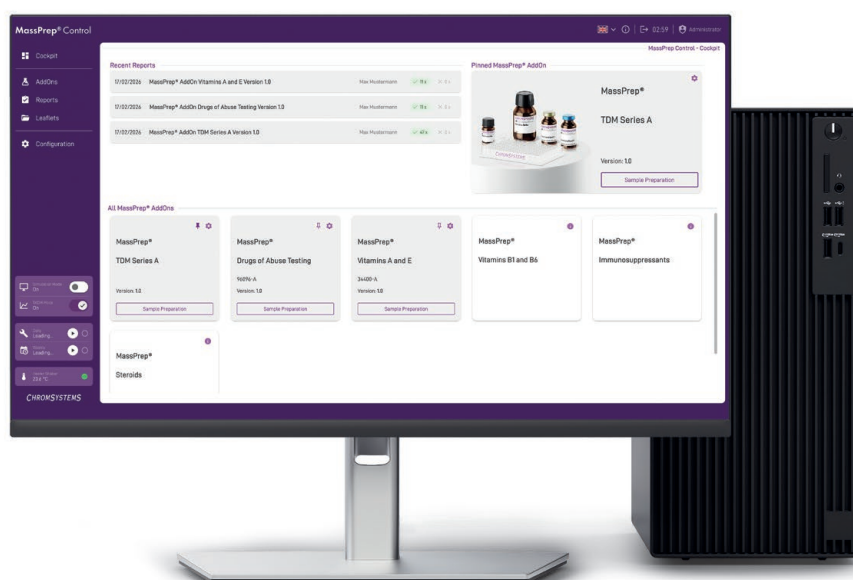


MassPrep[®] Duo adds a positive pressure unit for automated solid phase extraction (SPE), extending the system's sample clean-up capabilities.

MassPrep® Software

The **MassPrep®** software is the central control and monitoring hub for laboratory automation. It controls the laboratory robot, coordinates all steps of automated sample preparation and ensures secure, continuous data exchange.

- Audit trails and complete documentation
- Central workflow and process management
- Intuitive and user friendly
- Extensive configuration options
- Automatic reagent and inventory checks
- Support for numerous vessel and plate formats
- Interfaces to LIS systems



MassPrep® Control

MassPrep® Control provides central system control and an intuitive user interface for safe, straightforward operation. All procedures are monitored in real time and documented comprehensively.



MassPrep® AddOns

MassPrep® AddOns provide assay-specific intelligence by containing the precise work instructions required for each automated sample preparation workflow. The result is a future-proof software platform that can be flexibly expanded as requirements evolve.



MassPrep® AddOns Rollout Plan

We are gradually increasing the number of **MassPrep®** AddOns for additional assays to continuously open new application areas.

MassPrep® AddOns Under development

Vitamins B1 and B6

Immunosuppressants

Steroids*

Free Metanephries*

TDM Series A

- Antiarrhythmic Drugs
- Antidepressants 2 EXTENDED
- Neuroleptics 2 EXTENDED 2

* For MassPrep® Duo

MassPrep® AddOns In preparation for the sales launch

Drugs of Abuse Testing

Vitamins A and E

TDM Series A

- Antiepileptic Drugs XT2
- Antidepressants 1 EXTENDED
- Neuroleptics 1 EXTENDED

This brochure and the products presented within are intended exclusively for professional users.



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