

Agilent Bravo Metabolomics Sample Prep Platform

Key features

- Consistent, reliable, and automated sample preparation for reproducible metabolomics results
- Metabolomics sample preparation that is adaptable to any LC/MS system that can inject samples from ANSI/SBS standard 96-well plates
- Intuitive software specifically designed to guide the user through the standardized protocol
- Compact footprint to minimize space requirements

Introduction

The Bravo Metabolomics Sample Prep Platform is part of the Agilent Metabolomics workflow solution, providing dependable and reproducible results for your research. The Agilent Bravo automated liquid handling system ensures that samples are prepared consistently to minimize variability and improve quality while allowing higher throughput compared to manual methods. The reliable, standardized plasma sample preparation method included in the intuitive software allows all levels of users to easily set up and start the workflow. Whether you are performing discovery or targeted metabolomics research, the Bravo Metabolomics Sample Prep Platform helps provide reproducible and consistent results.

Instrument specifications

Computer/software requirements	
Host computer	Windows 10 64-bit operating system (included)
Software	Agilent VWorks Automation Control Software (included)
System configuration	
Base platform	Bravo Automated Liquid Handling Platform
Integrated accessories and consumables	Vacuum filtration station and pump module Heater/shaker station with controller Filter plate holder Captive EMR–Lipid plate (pack of five included) 250 µL pipette tips (case of 50)
Labware compatibility	
Microplates	Meet ANSI/SBS 1-2004 through ANSI/SBS 4-2004 labware standards (microplates, deep-well microplates, Thermo Fisher Scientific 3741 1.0 mL tubes and rack, manual fill reservoirs, pipette tip boxes, and 96-well Captiva EMR–Lipid plate)
Dimensions with standard safety light curtains	
Width	67.1 cm (26.40 in)
Depth	48.3 cm (19.00 in)
Height	69.7 cm (27.4 in)
Weight with standard safety light curtains	
kg/lbs	66.4 kg (146.4 lbs)
Pipetting specifications using a 96LT Head	
Range	2–250 µL Disposable tip
Performance	Within ±10 % of the requested volume per channel and whole-plate using Artel water-based solutions 5 % CV at 5 µL using Artel water-based solutions
Regulatory compliance	
	CE Marking
Operating data	
Power consumption, operating (typical)	11.5 A/120 V, 6 A/240 V
Energy usage per hour (continuous use)	720,000 joules (683 BTU)

Consumables

The Bravo Metabolomics Sample Prep Platform is designed to use the Agilent Captiva EMR–Lipid plate (p/n 5190-1000 or p/n 5190-1001 pack of five) for lipid removal. For optimal performance, use Agilent-certified 250 µL pipette tips (p/n 19477-002) with the Bravo Metabolomics Sample Prep Platform.

Learn more

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