

Agilent BenchCel Workstations

Automated Microplate Centrifugation Solution

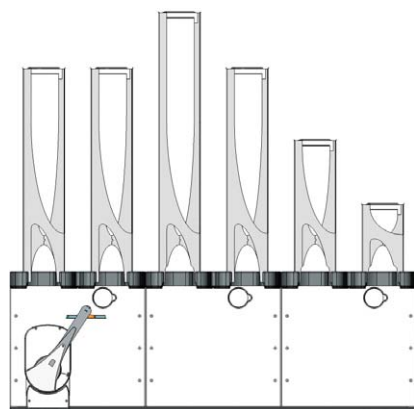
Application Bulletin



Agilent BenchCel
Microplate Handler

Agilent Microplate Centrifuge with
Agilent Automated Centrifuge Loader

*Add optional second instrument
(liquid handler, bulk dispenser, reader,
sealer, labeler, etc.)



*BenchCel Microplate Handlers available in 2, 4
and 6 rack configurations*

Applications

1. Filtration protocols for PCR purification
2. Cell harvesting for plasmid preps
3. Condensate spin-down for post-PCR processes
4. Removal of air bubbles in high density plates
5. And many more

Microplate Centrifugation with walk-away convenience

Agilent Automation Solutions integrates a wide range of instruments with the Agilent BenchCel Microplate Handler to create flexible benchtop automation solutions. Ask your technical sales professional for the latest list of BenchCel Microplate Handler compatible instruments.

An Automated Microplate Centrifugation Workstation can be created using a BenchCel Microplate Handler and Agilent Microplate Centrifuge with Agilent Automated Centrifuge Loader. An optional second device can further increase throughput and utility. Ask your technical sales professional for datasheets on the BenchCel and Microplate Centrifuge with Automated Centrifuge Loader or visit www.agilent.com.

- Handle lidded plates with ease
- Up to 320 plates per run with a six rack BenchCel
- Fast acceleration/deceleration (0-3000 RPM in 7.5 seconds)
- Labware-friendly, handles all ANSI standard microplates including deep well plates, PCR plates and tube racks



Agilent Technologies

System Features

Software

This Workstation includes ActiveX device drivers for both the Agilent BenchCel and Agilent Microplate Centrifuge as well as Agilent VWorks Automation Control software to operate the Workstation.

Labware Compatibility

Microplates: All ANSI compatible microplates including deep well plates, PCR plates and tube racks.
Maximum Plate Height: 4.85 cm (1.90 in)

Specifications

Performance

Top Speed: 3000 RPM/1000 g

Maximum Payload: (per bucket)
250 grams (8.8 oz)

Acceleration / Deceleration:
7.5 seconds 0-3000 RPM

Maximum Imbalance: 7-10 grams
(0.25-0.35 oz) typical

Capacity: Two microplates or tube racks

Operating Requirements

Electrical

100–240 VAC, 50/60Hz, Operating AC Current (typical) 12A/120V 6.0A/240V, Inrush Current (typical) 20A/120V, 40A/240V

Operating Temperature

5–40°C, 10–90% Relative Humidity

Software

Agilent BenchWorks Software,
ActiveX Control

PC System

Windows XP or Vista

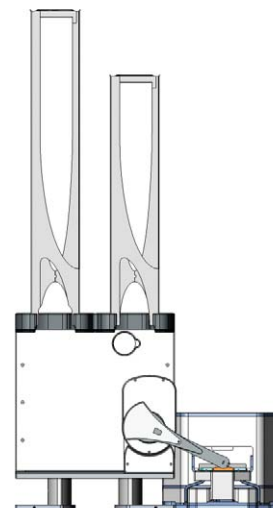
Interface

10Base T Ethernet port, RS-232 serial

Certification

Instruments are CE certified

Dimensions (Base Units)



Height: 50 cm [19.8 in with risers]
(2R BenchCel Base Unit)

Width: 75.8 cm [29.9 in]

Depth: 71.4 cm [28.1 in]

Weight: 67.7 kg [148 lbs]

www.agilent.com/lifesciences/automation

This item is intended for Research Use Only. Not for use in diagnostic procedures. Information, descriptions, and specifications in this publication are subject to change without notice.

Agilent Technologies shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Windows and Windows Vista are registered trademarks of Microsoft Corporation.

© Agilent Technologies, Inc. 2009
Published in the U.S.A. February 25, 2009
5990-3629EN



Agilent Technologies