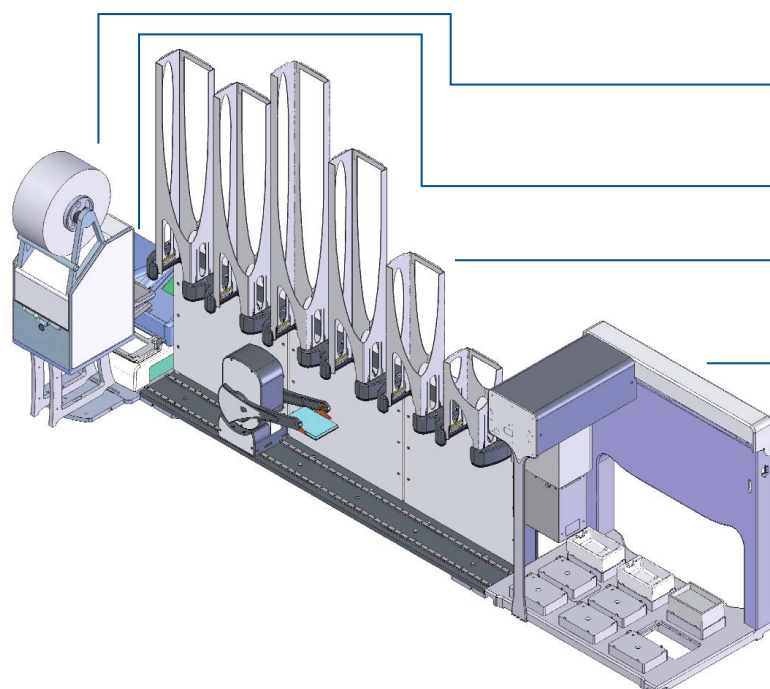




Agilent Automation Application Highlight

PCR Setup on the BenchCel Workstation

PCR Prep Workstation



PlateLoc Microplate Sealer

Thermal seal microplates for storage prior to PCR.

Thermo Multidrop Combi Dispenser

Bulk dispense diluents to DNA samples.

BenchCel 6R Microplate Handler

Deliver sample and PCR plates to the integrated devices. Capable of delidding.

Bravo Automated Liquid Handler

Adds master mix and primers to DNA samples. Provides on-deck cooling and ultra-sonic tip washing.

A Benchtop Solution:

Agilent BenchCel Workstations provide complete automation of all PCR setup tasks.

At the core of the workstation, the versatile Bravo Liquid Handling Platform performs transfers of master mix and primers from cooled deck positions to DNA samples. The addition of the Bravo Sonicating Tip Wash Station guarantees that tips are washed and free of DNA for reuse. The integration of the Multidrop Combi and PlateLoc Microplate Sealer adds the convenience of bulk dispensing for sample plate dilutions and sealing for storage, enabling true walk-away performance.

Agilent Automation Benefits:

- **Plate Handling:** Use most 1536-, 384-, and 96-well microplates, tube racks, PCR plates and lids.
- **Flexibility:** Devices can be added or replaced to customize this solution.
- **Throughput:** Depending on complexity, approximately 75 PCR plates can be prepared in 8 hours.
- **Intelligent:** VWorks Automation Control software schedules protocol tasks, incubation steps, and reagent order-of-addition for maximum throughput and walk-away time.



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PCR Setup Overview:



Dilute DNA Samples



Add Master Mix



Add Primers



Transfer to PCR Plate



Seal plate for storage

Example method for PCR setup. Individual steps may be modified to address specific application requirements.

Configuration Options

The Agilent BenchCel Workstations offer the flexibility of adding and reconfiguring options to meet your workflow requirements.

- **Capacity:** Replace the 4-stacker BenchCel Microplate Handler with a 6-stacker BenchCel Microplate Handler for additional capacity.
- **Capability:** Add barcode readers to track microplates through the assay.
- **Scalability:** Add components and devices to this workstation to address several other applications. Agilent Automation Solutions is leading the industry in the integration of third-party devices for incubation, plate reading, plate washing, and more.
- **More:** Speak with one of our product specialists or application specialists to determine what configuration will work best for you.

Additional Services

All BenchCel Workstations include installation and product familiarization along with options to purchase additional services to meet your specific needs.

These options include:

- **Consulting:** Work with a team of experts to determine the best solution for your laboratory.
- **Application Development:** Let our application specialists develop and test system protocols for your applications.
- **More:** Speak with one of our product specialists regarding any additional support you require to ensure our solution meets all of your needs.

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