

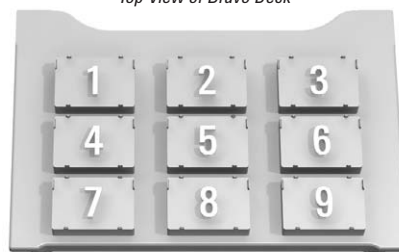


Agilent Automation Application Highlight

Agencourt PCR Purification for the Agilent Bravo Automated Liquid Handling Platform



Top View of Bravo Deck



Bravo Deck Layout

Deck Positions:

- 1: Tip Wash Station
- 2: Tip Box for Binding solution
- 3: Tip Box for Wash and Elution
- 4: Agencourt AMPure Binding solution
- 5: Wash Solution
- 6: Elution Solution
- 7: Assay Plate
- 8: PCR Sample Plate
- 9: Magnetic rack

An Agilent Bravo Solution:

As an alternative to vacuum filtration or centrifugation based purification methods, magnetism can be used to isolate and purify PCR products for downstream sequencing or genotyping. The Agencourt AMPure assay kit utilizes SPRI paramagnetic bead-based technology to purify PCR products from post-reaction contaminants. The Bravo Automated Liquid Handling Platform, powered by Agilent VWorks Automation Control software, is ideal for the automation of the Agencourt AMPure method. As the most flexible and compact liquid handling platform available, the Bravo can accommodate a variety of applications beyond the AMPure assay while allowing for integration into Agilent BenchCel workstations or larger scale Agilent BioCel Systems as requirements for throughput and capacity increase.

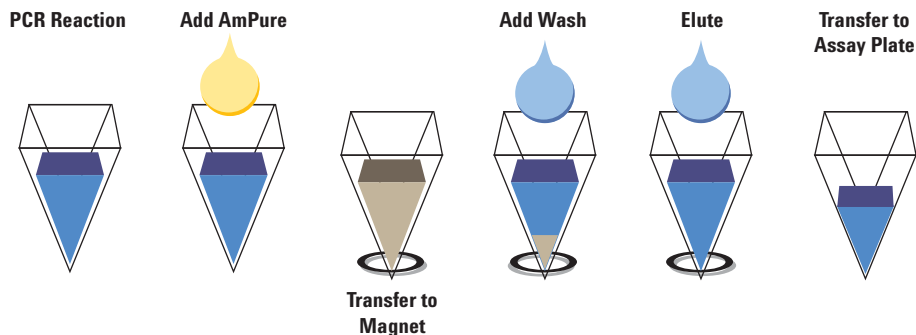
Agilent Automation Benefits:

- **Flexibility:** 9 configurable deck positions and a comprehensive line of accessories for limitless assay configurations.
- **Capability:** Load tips in a variety of modes including full head, partial array, single row, single column and single tip.
- **Scalability:** Easily integrated into BenchCel and BioCel platforms for additional capacity, throughput and walk-away time.
- **Intelligent:** Open enclosure-friendly design without electronics below the deck.



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AMPure Overview



Example method for the Agencourt AMPure assay on the Agilent Bravo Automated Liquid Handling Platform. Steps can be modified as necessary based on application requirements.

Configuration Options

The Agilent Bravo Liquid Handling Platform accommodates a variety of application-specific accessories. The AMPure assay requires the use of a magnetic tray accessory (provided by Agencourt or other) for the separation and washing steps. The remaining eight Bravo positions are used to accommodate the reaction plate, assay plate, tip box, and reservoirs for the AMPure binding reagent, wash solution, and elution reagent. The Bravo gripper is required to transfer the reaction plate to the magnetic tray. A 96-well MicroWash Tip Wash Station is added to wash tips between reagent transfers.

Other options include

- **Temperature control:** Replace a standard Bravo deck position with a temperature-controlled pad for heating or cooling.
- **Magnetic tray:** Magnetic trays for a variety of vendors have been qualified for use on the Bravo.
- **Barcode reading:** Replace a standard Bravo deck position with a barcode reading pad to track PCR and assay plates.
- **More:** Speak with one of our product specialists or application specialists to determine what configuration options will work best for you.

Additional Services

All Agilent 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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