

384-Well Sequencing PCR Clean-Up Using Magnetic Beads

- Follow the Biomek program “384 sequencing cleanup” located in the 384 well project.
- Use freshly made 85% EtOH using Absolute Ethanol and AccuGENE molecular biology grade water.
- Mix the Agencourt beads completely and add 21 μ l of the beads to a 96-well PCR plate. Set the PCR plate on a Costar 96-well round bottom polystyrene plate.
- The 384-well Sequencing PCR plate must be manually placed on the 96-post magnet.
- Use the following deck layout.

The screenshot displays the Biomek software interface for a 384 sequencing cleanup protocol. The window title is "Biomek® Software - 384 sequencing cleanup [Development]".

Left Panel (Step List):

- Transfer 22 μ l from 85% EtOH to PCR Plate
- Wash with Water in W51
- Transfer 22 μ l from 85% EtOH to PCR Plate
- Wash with Water in W51
- Unload Tips
- User Pause
- Move Labware from P6 to P5
- User Pause
- Pause the whole system for 300 s
- Transfer 32 μ l from PCR Plate to Waste
- Wash with Water in W51
- Transfer 32 μ l from PCR Plate to Waste
- Wash with Water in W51
- Transfer 32 μ l from PCR Plate to Waste
- Wash with Water in W51
- Transfer 32 μ l from PCR Plate to Waste
- Wash with Water in W51
- Loop from 1 to 2 step 1
- Transfer 30 μ l from 85% EtOH to PCR Plate
- Transfer 30 μ l from 85% EtOH to PCR Plate
- Transfer 30 μ l from 85% EtOH to PCR Plate
- Transfer 30 μ l from 85% EtOH to PCR Plate
- Pause the whole system for 30 s
- Transfer 30 μ l from PCR Plate to Waste
- Wash with Water in W51
- Transfer 30 μ l from PCR Plate to Waste
- Wash with Water in W51
- Transfer 30 μ l from PCR Plate to Waste
- Wash with Water in W51
- Transfer 30 μ l from PCR Plate to Waste
- Wash with Water in W51
- End Loop
- Pause the whole system for 600 s
- Transfer 20 μ l from P2 to P5
- Pause the whole system for 300 s
- Transfer 15 μ l from PCR Plate to P4
- Wash with Water in W51
- Transfer
- Finish

Right Panel (Deck Layout):

Deck: Deck1
Labware Category: <Custom>
Pause to confirm setup? Pause for bar code input?
Verify Pod Setup Configure...

The deck layout shows a 3x3 grid of positions (P1-P13). The positions are labeled as follows:

- P1: Water
- P2: 85% EtOH
- P3: PCR Plate
- P4: CleanSeq Beads
- P5: Waste
- P6: (Empty)
- P7: (Empty)
- P8: (Empty)
- P9: (Empty)
- P10: (Empty)
- P11: (Empty)
- P12: (Empty)
- P13: (Empty)

Control buttons on the right: Ag Is, Toggle, Clear, Clear All.

Bottom Panel (Taskbar):

384 sequencing cleanup 384 Well BiomekMX-MC ETC: 0:00:01

Windows taskbar shows the Start button and several open applications: Biomek® Software, Agencourt CleanSEQ..., 384 sequencing pcr s..., and 384 sequencing clea... The system clock shows 10:47 AM.