

AMPureXP bead washes to make AMPure PB beads

Required equipment:

Vortex mixer
Magnetic tube rack
AMPureXP beads
1.5 mL Lo-Bind tubes
Molecular biology-grade water
EB

*Note: Use of PB beads is recommended for PacBio applications. This is because the polymer coating on the XP beads leaches into the storage solution and could come out in a low-salt elution and interfere with PacBio polymerase binding. It must be washed away before the beads are used. The beads are stable for ~5 weeks afterward.

- Take the AMPure XP beads out of 4° storage, let them equilibrate to room temp, and vortex to resuspend completely.
- Add 500µl of beads to a 1.5mL tube and spin it down for 1 minute at 16,000 RPM (or maximum speed).
- Place the tube on the magnetic rack for at least 1 minute.
- With the tube still on the rack, remove and **SAVE** the supernatant in an empty 1.5mL tube.
- Add 1mL ultrapure water to the beads and vortex to resuspend.
- Spin down for 1 minute at 16,000 RPM (or maximum speed).
- Place the tube on the magnetic rack for at least 1 minute.
- Remove and discard the water wash.
- Repeat the water wash **4** more times.
- Add 1mL EB to the beads and vortex to resuspend.
- Spin down for 1 minute at 16,000 RPM (or maximum speed).
- Place the tube on the magnetic rack for at least 1 minute.
- Remove and discard the EB.
- Resuspend beads in the original AMPure buffer that you saved.