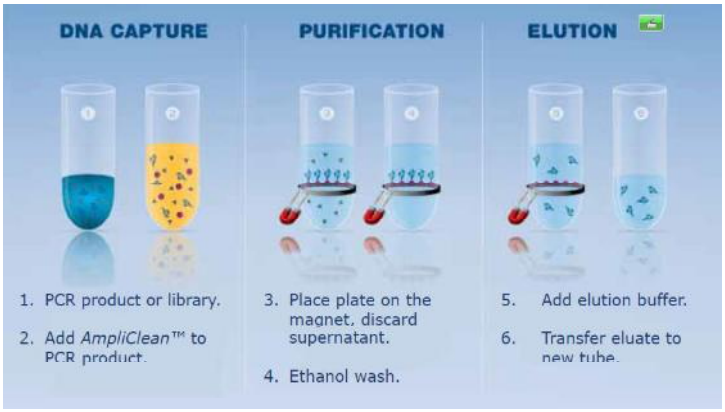
AmpliClean™ Magnetic Bead PCR Clean-up Kit

Product Information

Introduction
AmpliClean™ Magnetic Bead PCR Clean-up delivers superior quality purified DNA without salt carryover. It utilizes Solid Phaze Reversible Immobilization magnetic bead-based technology for high-throughput purification of PCR products. This technique is based on magnetic separation. Therefore, it requires no centrifugation or vacuum filtration steps.

Workflow Overview



1) Add 1.8 µl AmpliClean per 1.0 µl of PCR product
2) The PCR products will bind to the Magnetic Beads
3) Beads with PCR products separation from contaminants on magnet
4) Wash with 70% Ethanol to remove residual contaminants
5) Elute PCR product from beads and transfer to new plate

Materials not included

- 96 or 384 well Reaction Plates
- Alpaqua magnetic plate (Available thru Nimagen)
- Caps or Seals to close the plates
- Liquid handling system or a (multichannel) pipette
- Fresh 70% ethanol
- Elution Buffer (TE Buffer (10 mM Tris-Acetate pH 8.0, 1 mM EDTA))

Procedure:

- Gently shake the AmpliClean to resuspend the magnetic particles to obtain a homogeneous suspension.
- Add 1.8 µl of AmpliClean per 1.0 µl of PCR product to the PCR reaction tube
- Mix thoroughly by pipetting up and down and incubate for 3 - 5 minutes at Room Temperature
- Place the reaction plate onto the Magnetic Ring Plate for 2 minutes
- While sitting on the magnet, remove the cleared solution from the reaction plate and discard by pipetting from the center of the bottom of the wells. Make sure the removed solution is fully cleared and not to remove any magnetic particles
- While leaving the plate on the magnet, immediately dispense 150 µL of 70% ethanol to each well of the reaction plate and incubate for 30 seconds at room temperature.
- Remove the ethanol and discard. Repeat this step and make sure to completely remove all Ethanol with the last aspiration.
- Optional: Dry for max. 5 minutes at RT. Take plate from the Magnet.
- While plate is off the magnet, add 40 µL of elution buffer to each well of the reaction plate and homogenize the beads in the elution buffer by mixing of pipetting up and down.
- Place the reaction plate onto the Magnet Plate for 1 minute to separate beads from the solution and transfer the eluant, containing the purified PCR products to a new plate.

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