Benchling

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Introduction

PCR product purification with Omega Cycle Pure Kit

Materials

- centrifuge tubes 1.5µL
- cycle pure kit
- MQ

Procedure

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1. calculate how much volume your sample has: eg from PCR amplification microstrip 25µL - 5(that we run a GEL with) = 20µL sample volume
2. transfer this volume of PCR prduct in a new 1.5µL cetrifuge tube
3. add 4-5 volumes of CP Buffer to each tube (in our case= 100µL)
4. vortex roughly and centrifuge so that everything is mixed well and at the bottom
5. insert a HIiBind minicolumn into the provided 2µL collection tubes and transfer everything in the HIBind column-2uLtube
6. centrifuge at max. speed of 13'000g for 60 sec. Discard the filtrate and reuse the collection tube.
7. add 700µL DNA wash buffer that is diluted with 100 % ethanol (green bottle: if crosseed et already added) centrifuge at max. speed for 60 sec. Discard the filtrate and reuse the collection tube
8. repeat this step 7. for a second DNA wash buffer step!
9. centrifuge the empty Hibind coloumn at max speed for 2 min. to dry the column
10. transfer the empty Hibind column to a new clean 1.5µL tube
11. Add 30-50µL Elution buffer or MQ directly to the centre of the coloumn. let it sit at room temp for 2 min. centrifuge at max speed for 2 min.
12. take out the column, store DNA at -20°C