# SequulPrep PCR cleanup and normalization

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### Aim

Clean up and normalized PCR product.

#### Materials

- Duplicated PCR plates with PCR product.
- PCR plate (PCR\_mix, unbound\_DNA, chean\_PCR) 3
- SequalPrep plate 1
- SequalPrep binding buffer 2 mL
- SequalPrep wash buffer 5 mL
- Sequal Prep elution buffer 2 mL
- 20uL tip box 4
- 200uL tip box 2

### **Procedures**

Thaw the 2 PCR plates and spin down.
Label 3 PCR plates like XX PCR_mix, XX unbound_DNA, and XX chean_PCR.
Mix $20\mu L$ of each replicate PCR into each well of a skirted PCR plate PCR_mix (40 uL in total).
Add $20\mu L$ SequalPrep Binding buffer to each well of SequalPrep plate.
Add $20\mu L$ mixed PCR product into each well of SequalPrep plate.
Cover with PCR lid, vortex 30 sec, and centrifuge briefly.
Incubate for 1 hour at room temperature. Note: extra incubation time will not improve yield but will
not decrease it either. Overnight incubation is fine if necessary.
Transfer unbound DNA to fresh skirted PCR plate unbound_DNA. Be careful not to touch the sides
of the wells. Discard or foil and save at -20C for up to 30 days and reuse for further SequalPrep.
$Add\ 50\ uL\ Sequal Prep\ Wash\ buffer\ to\ the\ Sequal Prep\ plate\ containing\ bound\ DNA\ and\ pipette\ up$
and down twice to mix. Vortex.
Remove buffer from wells by pipetting. Tap plate on paper towel gently to remove remaining buffer.
Spin down the plate.
To elute, add $20\mu L$ SequalPrep Elution buffer to each well.
Cover with lid, vortex 30 sec, and centrifuge briefly.
Incubate at room temperature for 5 minutes.
Elute DNA from each well into a new skirted PCR plate clean_PCR and store at -20C. The final
product is $20\mu L$ 1.25 ng/uL DNA in the PCR plate clean normalized PCR.