

DNA purification with SigmaSpin post-reaction cleanup-plates

required: centrifuge capable of spinning 96 well plates (we used a Heraeus 3SR)

don't forget: after reaction, before cleanup: heat-inactivate enzyme:

e.g. EcoRI, Xba: 20' 65°C

T4 DNA ligase: 10' 65°C

- unpack SigmaSpin plate, put on 48 well collection plate (comes with kit), prepare balance weight or do two 96 well purifications in parallel
- seal plate with adhesive film, centrifuge 1000 g for 4'
- add 100 µl sterile MonoQ per well, put on 48 well collection plate
- seal plate, centrifuge 1000 g for 4'
- place SigmaSpin plate on 96 micro well plate and load 50 µl DNA:
purifying samples over Sigma plate requires the loading of the samples exactly to the centre of the wells
- centrifuge 5' 1000 g; the eluate might be slightly more than 50 µl (e.g. 55 µl)