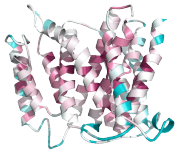
DNA Precipitation

Quick Protocol



- If it is not already in a high NaCl elution buffer (ex. in TE or water) , adjust the sample to 1.2-1.5M NaCl + 20-50mM Tris pH 8.0. If you do not adjust the sample to high-salt conditions, recovery will be very poor.
- Add an equal volume of IPA.
- Chill the sample at -20C for 2 hours (not mandatory, but helps further with final DNA recovery)
- Centrifuge at 3000-4000RPM for 30 minutes
- Decant the supernatant
- Add 15-30mL of 70% EtOH (preferably sterile-filtered if using for transfections) to the tube containing the pellet. Gently swirly the tube to dislodge the pellet (helps to remove more residual NaCl).
- Centrifuge at 3000-4000RPM for 20 minutes.
- Dry the pellet either under a stream of Nitrogen gas, or air dry for a minimum of 2 hours in a laminar flow hood or biological safety cabinet. If air drying, be very careful the pellet is completely dry and free of residual EtOH if using the DNA for transfections.
- Resuspend the pellet in sterile-filtered TE or Water for Injection.