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22. Put into ultra centrifuge at 80,000 rpm, 18 C, maximum acceleration, no brake for at least 3 hrs. and 30 minutes; otherwise you should do overnight for this first step.
23. When first spin has come down, remove bottom band and put into another optiseal tube and as before, top with Ethidium Bromide with Cesium Chloride. Spin in ultra centrifuge at same settings (3 hrs and 30 minutes minimum is sufficient).
24. Transfer DNA to 15 ml polypropylene tubes (from Sarstedt) and carry out cleaning up of DNA. Add 1 ml of salt-saturated isopropanol (top layer), vortex and allow the phases to separate. Aspirate off the top layer and repeat 5 times or more until the bottom layer is clear (at this time all the the EtBr should have been removed.
TO prepare salt-saturated isopropanol: make 200 mls soln to just beyond 6 M NaCl and mix overnight. Next day add to 1L and mix overnight again.
25. Top solution to 3 mls with 1 X TE, add 6.5 ml of 100% EtOH, and place at -20 °C for 30 mins. If precipitate forms after the 30 mins, add 3 mls of TE to dissolve the salts. Add 6mls of 100% EtOH and all to sit for 30 mins at -20 °C.
26. Centrifuge at 9000 rpm fro 10 mins at 4 °C.
27. Pour off supernatant and all the pellet to air dry.
28. Resuspend in 300 ul of TE and transfer to an eppendorf tube. Add 150 ul of 7.5 M (or 112.5 ul of 10 M) Ammonium acetate, 1 ml of 100% EtOH and incubate at room temp for 5 mins.
29. Spin at max speed in a microcentrifuge for 15 mins. Wash the pellet with 70% EtOH and resuspend to desired concentration.

THAT's ALL FOLKS!!!