Salmon sperm DNA

For use in yeast transformations and blocking agent in blotting

Use a better grade as a carrier in nucleic acid precipitations

1. Weigh out 400mg dried salmon sperm DNA (**eg.** Sigma Sperm nuclei type II-S; **S3126**) Cut the strands with scissors to small fibers.

2. Place DNA in a 50ml Falcon tube. Add ddH_2O to 40mls (10mg/ml final). Swirl to release trapped bubbles.

3. Heat tube in 65ºC bath overnight to dissolve DNA. Invert tube occasionally to aid resuspension.

4. When in solution, the DNA will be a gooey mess. Sonicate at about 50% power for a minute at a time for several cycles until the solution becomes less viscous. A good rule of thumb is when bubbles can rise easily to the top (**this is real rocket science**).

5. Pierce the lid of the Falcon with a needle and place in a beaker of boiling H_2O for 15 minutes. Repeat sonication.

6. Cool and dispense 1ml aliquots. Store at –20ºC.

7. To use as a carrier in yeast transformations pierce cap and boil for 5 mins. Store at 4ºC for repeated usage.