

Viability measurement

1. take samples and keep on ice (can leave on ice before plating but don't leave >1 hour).
2. sonicate - float tube in rack in Bioruptor water bath and pulse for 5 secs (low power).
3. estimate cell density using haemocytometer and make dilution to about 10^3 cells/ml. Plate out onto 2 YES plates (using glass balls to spread) so that 200 colonies would be expected if viability is 100%.
4. Incubate plates for 2-3 days until colonies are visible and count.