

DNA Extraction Method

Simple Lysis Protocol

Streak isolates on LB-G agar and incubate overnight at 37° C

1. Suspend a 10µl loop of freshly grown bacteria in 400µl bacterial lysis buffer (see preparation method below)
 2. Vortex at high speed for 5 seconds
 3. Incubate at 60° C for 2 hours. (Vortex at high speed for 5 seconds approximately every 30 minutes or incubate in a Thermomixer at 60°C and 550rpm)
 4. Heat in water bath or thermomixer, with no shaking, for 15 minutes at 95° C
 5. Centrifuge at 13,000rpm for 5 minutes
- ❖ Lysate can be stored at –20° C.
 - ❖ Before using the lysate, vortex briefly and centrifuge at 13,000rpm for 5 minutes

6.55µl of supernatant should be used as a template for the Nanoarray labelling reaction

Bacterial Lysis Buffer Preparation Method(100ml)

90ml	R O water
10ml	Trizma Hydrochloride/Tris-HCL; 1M pH 8.00
50µl	Tween 20
1.2ml	Proteinase K (20mg/ml)

- ❖ Store at room temperature, use with in 1 year