

Fast Extraction of DNA for Streptococcal culture isolates

- Suspend overnight growth of 1 blood agar plate in 300ul of 0.85% NaCl
- Heat to 70 °C for 15 min.
- Spin for 2 min microfuge and remove the supernatant.
- Resuspend in 50 ul TE buffer, add 10 ul mutanolysin (solution 3000U/ul) and 8 ul of hyaluronidase (solution 30mg/ml)
- Water bath at 37 °C for 30 min. to overnight.
- Heat inactivate 10 min 100 °C.
- Spin for 4 min microfuge and use no more than 2.5ul of supernatant as DNA template.
- Proceed immediately with PCR or store lysates at -20 °C until use.

Mutanolysin- (Sigma # M9901 is 10,000units). Dilute in 3.3 ml of TE buffer to make 3000 units/ml stock solution, store at -20 °C as 500ul aliquots.

Hyaluronidase- (Sigma # H3506 is 100mg). Dilute in 3.3 ml to make 30mg/ml solution, store at -20 °C as 500ul aliquots.