

Preparation of RN_{ASE} that is Free of DN_{ASE}:

- 1) Dissolve pancreatic RNase (RNase A) at a concentration of 10 mg/ml in 0.01M sodium acetate (pH 5.2).
- 2) Heat to 100°C for 15 minutes while stirring in Erlenmeyer flask covered with aluminum foil to prevent evaporation.
- 3) Allow solution to cool slowly to room temperature.
- 4) Adjust the pH by adding 0.1 volume of 1M Tris-Cl (pH 7.5).
- 5) Dispense into 1mL aliquots and store at -20°C.

(RNase precipitates when concentrated solutions are heated to 100°C at neutral pH)

Modified from:

Sambrook J., Russell D.W. (2001) Molecular Cloning: A Laboratory Manual. Third Edition ed. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, pg. A4.39.