

LUNG DIGESTION

1. Make 5 ml digestion media for every lung you will digest. Digestion media is composed of RPMI 1640 (****no serum****), 1 mg/ml collagenase II (Fisher # NC9693955, and 5 U/ml DNase I (Sigma # D4527, 0.5 μ l of 10 U/ μ l per ml of media).
2. Excise lung(s) and place in small Petri dish on ice.
3. Cut lung(s) into small pieces and suspend in 5 ml digestion media per lung in 15-ml conical tube(s).
4. Incubate with shaking at 37 °C for 1.5 hours.
5. Crush and lyse as you would a spleen.