

Materials List for:

Isolation of Salivary Epithelial Cells from Human Salivary Glands for In Vitro Growth As Salspheres or Monolayers

Matthew J. Beucler¹, William E. Miller¹

¹Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine

Correspondence to: William E. Miller at william.miller@uc.edu

URL: <https://www.jove.com/video/59868>

DOI: [doi:10.3791/59868](https://doi.org/10.3791/59868)

Materials

Name	Company	Catalog Number	Comments
100 mm culture dishes	Thermo Scientific	172931	
15 mL conical tubes	Thermo Scientific	339651	
50 mL conical tubes	Thermo Scientific	339653	
Bronchial Epithelial Cell Growth Media	Lonza	CC-3171	Add bullet kit as per manufacturer's instructions. Supplement with 20 mL of charcoal stripped serum.
Cell strainer 70 µm nylon mesh	Fisher	22-363-548	
Charcoal stripped fetal bovine serum	Gibco	12676-029	
Collagenase type III	Worthington	LS004182	Store at 4 °C.
Cryogenic Tube	Fisher	5000-0020	
Dispase	Cell Applications	07923	Dissolve collagenase to make a 0.15% (w/v) stock. Filter sterilize then store at -20 °C.
Dissecting scissors	Fisher	08-940	
Dulbecco phosphate buffered saline	Corning	55-031-PC	
General Chemicals	Sigma		
PathClear Basement membrane extract	Cultrex	3432-005-01	Thaw at 4 °C at least 24 hr prior to use. Always handle on ice.
Six-well culture dishes	Falcon	353046	
Surgical forceps	Fisher	22-079-742	
Trypsin-EDTA solution	Corning	25-052-CI	