

# Using Avian Skin Explants to Study Tissue Patterning and Organogenesis

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## Materials

Name	Company	Catalog Number	Comments
6-well culture dish	Falcon	REF 353502	Air-Liquid Interface (ALI) Cultures
Cell culture inset	Falcon	REF 353090.	0.4 µm Transparent PET Membrane
Collagenase Type 1	Worthington Biochemical	LS004196	
Dulbecco's modified Eagle's medium	Corning	10-013-CV	4.5 g/L glucose
Ethylenediaminetetraacetic acid disodium salt dihydrate (EDTA)	Sigma-Aldrich	E5134	
Fetal bovine serum	ThermoFisher	16140-071	
Glucose	Sigma-Aldrich	G8270	
Hanks's buffered saline solution	Gibco	14170-112	No calcium, no magnesium
Penicillin/streptomycin	Gibco	15-140-122	
Pogassium phosphate monobasic (KH <sub>2</sub> PO <sub>4</sub> )	Sigma-Aldrich	P5379	
Potassium chloride (KCl)	Sigma-Aldrich	P9333	
Sodium bicarbonate (NaHCO <sub>3</sub> )	Sigma-Aldrich	S6014	
Sodium chloride (NaCl)	EMD	CAS 7647-14-5	
Sodium phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> )	Sigma-Aldrich	S0751	
Trypsin	Gibco	27250-042	