

Materials List for:

## Two-step Approach to Explore Early- and Late-stages of Organ Formation in the Avian Model: The Thymus and Parathyroid Glands Organogenesis Paradigm

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### Materials

Name	Company	Catalog Number	Comments
Chicken fertilized eggs ( <i>Gallus gallus</i> )	Pintobar, Portugal		Poultry farm
Quail fertilized eggs ( <i>Coturnix coturnix</i> )	Interaves, Portugal		Bird farm
15 mL PP centrifuge tubes	Corning	430052	
50 mL PP centrifuge tubes	Corning	430290	
60 x 20 mm pyrex dishes	Duran group	21 755 41	
100 x 20 mm pyrex dishes	Duran group	21 755 48	
Polycarbonate Membrane Insert	Corning	3412	24 mm transwell with 0.4 mm Pore Polycarbonate Membrane Insert
Membrane filter	Millipore	DTTP01300	0.6 mm Isopore membrane filter
6-well culture plates	Nunc, Thermo Fisher Scientific	140675	
Petri dish, 35 x 10 mm	Sigma-Aldrich	P5112	
Pyrex bowls			from supermarket
Transfer pipettes	Samco Scientific, Thermo Fisher Scientific	2041S	2 mL plastic pipet
Glass pasteur pipette	normax	5426015	
Whatman qualitative filter paper	Sigma-Aldrich	WHA1001090	Filter paper
Clear plastic tape			from supermarket
Cytokeratin (pan; acidic and basic, type I and II cyto keratins), clone Lu-5	BMA Biomedicals	T-1302	
Cyclopamine hydrate	Sigma-Aldrich	C4116	Pharmacological inhibitor of Hh signalling
Fetal Bovine Serum	Invitrogen, Thermo Fisher Scientific		Standart FBS
Paraformaldehyde	Sigma-Aldrich	P6148	
Penicillin-Streptomycin	Invitrogen, Thermo Fisher Scientific	15140-122	
Phosphate-Buffered Saline (PBS)	GIBCO, Thermo Fisher Scientific	10010023	
QCPN antibody	Developmental Studies Hybridoma Bank	QCPN	
RPMI 1640 Medium, GlutaMAX Supplement	GIBCO, Thermo Fisher Scientific	61870010	
Bluesil RTV141A/B Silicone Elastomer 1.1Kg Kit	ELKEM/Silmid	RH141001KG	To prepare the back base for petri dish

Stemolecule LY411575	Stemgent	04-0054	Pharmacological inhibitor of Notch signalling
TRIzol Reagent	Invitrogen, Thermo Fisher Scientific	15596026	Reagent for total RNA isolation
Dumont #5 Forceps	Fine Science Tools	11251-30	Thin forceps
Extra fine Bonn scissors, curved	Fine Science Tools	14085-08	Curved scissors
Insect pins	Fine Science Tools	26001-30	
Micro spatula	Fine Science Tools	10087-12	Transplantation spoon
Minutien Pins	Fine Science Tools	26002-20	Microscalpel
Moria Nickel Plated Pin Holder	Fine Science Tools	26016-12	Holder
Moria Perforated Spoon	Fine Science Tools	10370-17	Skimmer
Wecker Eye Scissor	Fine Science Tools	15010-11	
Camera	Leica Microsystems	MC170 HD	
Stereoscope	Leica Microsystems	Leica M80	
Microscope	Leica Microsystems	DM2500	