

Materials List for:

Quantitative Analysis of Cancer Metastasis using an Avian Embryo Model

Trenis D. Palmer¹, John Lewis², Andries Zijlstra¹

¹Department of Pathology, Vanderbilt University

²Departments of Oncology, Surgery and Medical Biophysics, London Regional cancer program

Correspondence to: Andries Zijlstra at andries.zijlstra@vanderbilt.edu

URL: <https://www.jove.com/video/2815>

DOI: [doi:10.3791/2815](https://doi.org/10.3791/2815)

Materials

Name	Company	Catalog Number	Comments
1X Dulbecco's Modified Eagle Medium (DMEM)	Invitrogen	11995073	
Dulbecco's Phosphate-Buffered Saline (D-PBS) (1X), liquid	Invitrogen	14190250	pH 7.4
Trypsin, 0.05% (1X) with EDTA 4Na, liquid	Invitrogen	25300054	
Sportsman hatcher	Berry Hill	1550HA	These incubators are some of the most readily available. However, the video will show different equipment.
Sportsman incubator	Berry Hill	1502EA	These incubators are some of the most readily available. However, the video will show different equipment.
Dremel rotary tool	Dremel		
Dremel cutoff wheels no. 36	Dremel	409	
Portable Pipette Aid	Fisher Scientific	1368115E	
Cotton Tipped Applicators	Fisher Scientific	23-400-001)	
Fertilized Eggs	Various		Many different vendor can be used. The eggs should be approximately 35-55 grams. The hens that lays them should be between 36 and 55 weeks of age.
Hemocytometer	Hausser Scientific	15170-090	
Fiber-optic microscope illuminator	Amscope	HL250-AY	150W
25 gauge needle			
Sybr Green Extract—N-Amp Tissue PCR Kit	Sigma-Aldrich	XNATRG	