

Generation of Naïve Blastoderm Explants from Zebrafish Embryos

Alyssa Alaniz Emig¹, Margot L. K. Williams¹

¹Center for Precision Environmental Health and Department of Molecular and Cellular Biology, Baylor College of Medicine

Corresponding Author

Margot L. K. Williams
Margot.Williams@BCM.edu

Citation

Alaniz Emig, A., Williams, M.L.K. Generation of Naïve Blastoderm Explants from Zebrafish Embryos. *J. Vis. Exp.* (173), e62797, doi:10.3791/62797 (2021).

Date Published

July 30, 2021

DOI

10.3791/62797

URL

jove.com/video/62797

Materials

Name	Company	Catalog Number	Comments
1 mm glass beads	Millipore-Sigma	Z250473	
4% Paraformaldehyde	VWR	J19943-K2	
6-well plates	Fisher	FB012927	
Agarose	Thermo-Fisher	16500500	
Ca(NO ₃) ₂ · 4H ₂ O	Thermo-Fisher	12364-36	
DMEM/F12 media	Gibco	11330032	
Dumont #5 watchmakers forceps	World Precision Instruments	500341	
Embryo injection mold	Adaptive Science Tools	I-34	
Glass crystalizing dishes	Fisher	08-741A	
Glass Petri dishes	Fisher	08-748A	
HEPES	VWR	JT4018-1	
Instant Ocean sea salts	Instant Ocean	SS15-10	
KCl	VWR	BDH9258-500G	
Low temperature incubator	Fisher	15-015-2632	
MgSO ₄ · 7H ₂ O	VWR	97062-134	
Microloader pipette tips	Eppendorf	930001007	
Micromanipulator	World Precision Instruments	M3301R	
Micrometer	SPI supplies	02265-AB	
Mineral oil	VWR	MK635704	
NaCl	VWR	BDH9286-500G	
Newborn Calf Serum	Invitrogen	26010-066	
Pasteur pipettes	Fisher	13-678-30	
Penicillin-Streptomycin Solution	Thermo-Fisher	15140122	
Pico-pump pneumatic injector	World Precision Instruments	SYS-PV820	
Pipet pump	Fisher	13 683C	
Plastic Petri dishes 100 mm	Fisher	FB0875712	
Plastic Petri dishes 60 mm	Fisher	FB0875713A	
Plastic wash bottles	Fisher	03-409-10E	

Pronase	Millipore-Sigma	10165921001	
Tween-20	VWR	200002-836	