

Materials List for:

A Reverse Genetic Approach to Test Functional Redundancy During Embryogenesis

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URL: <https://www.jove.com/video/2020>

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Materials

Name	Company	Catalog Number	Comments
Fish breeder tanks and dividers	Aquatic Habitats		
Fish nets	Aquatic Habitats		
System water			60mg Instant Ocean™ per liter dH2O
100mm Petri dishes	BD Biosciences	351029	
Micropipette needle puller	Sutter Instrument Co.	P-97 Flaming/Brown	
3.5" glass capillaries	Drummond Scientific	3-000-203-G/X	
Razor blade	Personna Medical Care	94-120-71	
Micro grinder	Narishige International	EG-4	
Gridded microscope eyepiece	Premiere	MF-02	
Micrometer	WARD's Natural Science	94 W 9910	
Ultrapure agarose	Invitrogen	15510-027	
Spatula	Fisher Scientific	14-357Q	
Scale	Mettler Toledo	AB54-S/FACT	
Disposable weigh dishes	Fisher Scientific	2-202-B	
Conventional microwave	GE Healthcare		
Erlenmeyer flask	Corning	4980	
Microscope slides	Fisher Scientific	12-552	
Graduated cylinder	Fisher Scientific	08-572-6D	
Automatic pipette man	BrandTech	2026333	
70% ethanol wash solution	Tarr	801VWR	
N2 tank	Tech Air		
Microinjector	Harvard Apparatus	PLI-100	
Micromanipulator	Micro Instruments	LTD	
Dissecting microscope	Nikon Instruments	SMZ1500	
Parafilm	American National Can	PM-992	
Mineral oil	Sigma-Aldrich	M5904	
Kimwipes	Kimberly-Clark Corporation	34155	
<i>gata5</i> splice site morpholino	Genetools, LLC		5'-TCTTAAGATTTTTACCTATACTGGA-3'
<i>gata5</i> ATG Blocker	Genetools, LLC		5'-AAGATAAAGCCAGGCTCGAATACAT-3'
<i>gata6</i> Long Isoform ATG Blocker	Genetools, LLC		5'-AGCTGTTATCACCCAGGTCCATCCA-3'
Disposable Pasteur Pipette	Fisher Scientific	13-678-20B	

Tricaine Methanesulfonate	Argent Labs	MS-222	
Methycellulose	ICN Biomedicals	155495	
Heat Block	Fisher Scientific	11-718-4	
Sharp forceps	Dumont		Size 55
Depression Microslides	VWR international	48339-009	