

Materials List for:

# A 3-dimensional (3D)-printed Template for High Throughput Zebrafish Embryo Arraying

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## Materials

Name	Company	Catalog Number	Comments
Zebrafish Facility	Shanghai Haisheng Biotech Co., Ltd.	Z-A-S5	
Mating box	Shanghai Haisheng Biotech Co., Ltd.		
Wash Bottle, 500 ml	Sangon Biotech	F505001-0001	
Sodium chloride	Vetec	V900058-500G	
Potassium Chloride	Sinopharm Chemical Reagent Co.,Ltd	10016318	
Calcium chloride	Sinopharm Chemical Reagent Co.,Ltd	20011160	
Sodium bicarbonate	Vetec	v900182-500G	
Methylene Blue Hydrate	TCI	M0501	
Hydrochloric acid	Sinopharm Chemical Reagent Co.,Ltd	10011008	
Sea Salts	Instant Ocean	SS15-10	
Pipetter	Fisherbrand	13-675M	
Controlled Drop Pasteur Pipet	Fisherbrand	13-678-30	
Microscope	OLYMPUS	SZ61	
Biochemical incubator	Shanghai Yiheng Scientific Instrument Co., Ltd.	LRH-250	
3D printer	UnionTech	Lite600	
Photosensitive resin	UnionTech	UTR9000	
Vacuum pump	Shanghai Yukang Scientific Instrument Co., Ltd.	SHB-III A	
Adhesive PCR Plate Seals	Solarbio	YA0245	
96 well plate	Costar	3599	
Multi 8-channel pipette 30 - 300 µl	Eppendorf	3122000.051	
Compressed Gas Duster	Shanghai Zhantu Chemical Co., Ltd.	ST1005	
DI Water	Thermo	GenPure Pro UV/UF	
Drying oven	Shanghai Yiheng Scientific Instrument Co., Ltd.	BPG-9106A	
System water			Water out of the facility's water system
Egg water			Dilute 60mg "Instant Ocean" sea salts and 0.25 mg/L methylene blue in 1 L DI water

<p>Holtfreter's solution</p>			<p>Dissolve 7.0 g Sodium chloride (NaCl), 0.4 g Sodium bicarbonate (NaHCO<sub>3</sub>), 0.1 g Potassium Chloride (KCl), 0.235 g Calcium chloride (CaCl<sub>2</sub>·2H<sub>2</sub>O) in 1.9 L DI water. Adjust pH to 7 using HCl and adjust volume to 2 L using Di water</p>
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