

Materials List for:

The Complete and Updated "Rotifer Polyculture Method" for Rearing First Feeding Zebrafish

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Materials

Name	Company	Catalog Number	Comments
Rotifer Culture Infrastructure			
100 L Culture Vessel	Aquaneering	Custom	Polycarbonate culture vessel, conical bottomed, with drain valve
5 Gallon Culture Bucket Kit	Reed Mariculture	CCS Starter Kit	Small volume culture vessel for small facilities
Rigid Clear Tubing 1/2" O.D., 36"	Pentair Aquatic Ecosystems	16025	Rigid clear tubing for air delivery
Mesh tube	Pentair Aquatic Ecosystems	RT444X	Mesh tube support for floss filter
Rotifer Floss	Reed Mariculture	Rotifer floss 12" x 42"	Particulate waste trap
Peristaltic Metering Timer Pump, 5 GPD	Grainger	38M003	Metering pump with timer for dosing feed to rotifers
Peristaltic Metering Timer Pump, 1-100 mL/hr (for smaller-scale culture)	Coral Vue	SKU: IC-LQD-DSR	Metering pump with timer for dosing feed to rotifers
Silicone Tubing	Cole Parmer		Tubing for algae delivery to rotifer vessel
Rigid Clear Tubing " O.D.,36"	Pentair Aquatic Ecosystems	16025	Rigid clear tubing for air delivery to algae paste
Rigid Clear Tubing O.D., 36"	Pentair Aquatic Ecosystems	16025	Rigid clear tubing for algae delivery
Rotifers			
Live Rotifers Brachionus plicatilis Type L	Reed Mariculture	Type L 5 million	Rotifer stock culture for system startup
Rotifer Feed			
Sodium hydroxymethylsulfonate	Reed Mariculture	ClorAm-X [®] 1lb tub	Ammonia reducer for algae feed mix
Sodium Bicarbonate	Fisher Scientific	S25533B	pH buffer for algae feed mix
Microalgae concentrate	Reed Mariculture	Rotigrow Plus [®] 1 liter bag	Nutritionally optimized rotifer feed
RG Complete	Reed Mariculture	RG Complete 6 oz bottle	All in one microalgae based feed for small scale cultures
Water Preparation			
Reef Crystals Reef Salt	That Fish Place	198210	Salt for making culture water (NOTE: this item is an example only; any contaminant free salt formulations may be used).
Refractometer	Pentair Aquatic Ecosystems	SR6	measuring salinity
Rotifer Culture Equipment			

Plankton Collectors 12" Dia, 53 microns	Pentair Aquatic Ecosystems	BBPC20	Mesh screen for collecting rotifers
Scrub Pads	Pentair Aquatic Ecosystems	SCR-58	Scrub pad for cleaning inside of culturing vessels
Scrub Brush			
Bucket	Grainger Supply	43Y530	Graduated bucket for mixing culture water
Hatching Jar	Pentair Aquatic Ecosystems	J30	Storage of algae feed mix
Lugol's Solution, Dilute	Fisher Scientific	S99481	Agent used to immobilize live rotifers for counting
Sedgewick-Rafter plankton counting slide with grid	Pentair Aquatic Eco-Systems	M415	Counting rotifers
Miscellaneous			
Tea Strainer	Kitchenworks	971972	Used for collecting zebrafish embryos after spawning