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Working

Prepare 2L of 2X freezer buffer to freeze down *C. elegans*

Cancer Research UK / Wellcome Gurdon Institute media kitchen[1]

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ABSTRACT

This protocol accompanies you in the preparation of 2 litres of 2X freezer buffer, which is the buffer used to freeze down *C. elegans* strains for long-term storage

MATERIALS

NAME	CATALOG #	VENDOR
double distilled water (ddH2O)		
Sodium chloride meets analytical specification of Ph.Eur Fisher Chemical	S/3160/65	Fisher Scientific
Magnesium Sulfate Heptahydrate Certified AR for Analysis Fisher Chemical	M/1050/53	Fisher Scientific
Potassium Dihydrogen Orthophosphate Certified AR for Analysis Fisher Chemical	P/4800/53	Fisher Scientific
SYCHEM autoclave	View	Syschem
Glycerol 99 % Certified AR for Analysis Fisher Chemical	G/0650/17	Fisher Scientific

1 Freezer_buffer.xls

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Ingredients	Quantity	
NaCl 1M		200ml
1M KH2PO4	pH 6	100ml
Glycerol		600ml
Double distilled H2O	up to 2L	
		Autoclave
0.1M MgSO4	300 microlitres	
		per 100ml bottle

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1	Combine NaCl, KH2PO4 and Glycerol solutions with approx 900ml double distilled H2O in 2L measuring cylinder on magnetic stirrer.
2	Make up to volume using double distilled H2O
3	Aliquot into 20x100ml media bottles,label,date and autoclave.
4	After autoclaving and the solution is cold,add 300 microlitres of 0.1m MgSO4 to each 100ml bottle using a Gilson in the flow hood.