JUN 03, 2019

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.3nhgmb6

Protocol Citation: Cancer Research UK / Wellcome Gurdon Institute media kitchen 2019. Prepare 2L of 2X freezer buffer to freeze down *C. elegans*. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.3nhgmb6>

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Protocol status: Working
 We use this protocol and it's working

Created: Jun 03, 2019

Last Modified: Jun 03, 2019

PROTOCOL integer ID:
 23977

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

Cancer Research UK / Wellcome Gurdon Institute media kitchen¹

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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

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

1

Freezer_buffer.xls

2

Ingredients	Quantity	
NaCl 1M		200ml
1M KH ₂ PO ₄	pH 6	100ml
Glycerol		600ml
Double distilled H ₂ O	up to 2L	
		Autoclave
0.1M MgSO ₄	300 microlitres	
		per 100ml bottle

3

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