



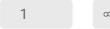


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## Preparation of 1M calcium chloride solution (CaCl2)

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Original source of the protocol: WormBook Methods <a href="http://www.wormbook.org/chapters/www\_strainmaintain/strainmaintain.html">http://www.wormbook.org/chapters/www\_strainmaintain/strainmaintain.html</a> This protocol is for making 1M calcium chloride solution, which is used in the preparation of worm media, like NGM (Nematode Growth Medium).

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ngm, worm, c.elegans, c elegans, elegans, caenorhabditis, media, medium, calcium chloride

\_\_\_\_\_ protocol,

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## **S** Calcium Chloride

Calcium chloride: Dihydrate Sigma Catalog #C7902-500G

Filter: Rapid-Flow Nalgene 0.2µm aPES membrane, ref: 564-0020

Vaccum pump: Fisher Brand, ref: FB70155

1	Weigh $\blacksquare$ 7.4 g ±0.05 of calcium chloride dihydrate (CaCl <sub>2</sub> ·2H <sub>2</sub> 0).
2	Dissolve it in ~40 mL of milliQ water in a 100mL measuring cylinder.
3	Add a clean stirring magnet, and leave it on a stirrer until all crystals are dissolved.
4	Remove the stirring magnet: To prevent touching the solution, use another magnet from the outside of the measuring cylinder to slide the stirring magnet out of the cylinder.
5	Fill up to ■50 mL .
6	Filter-sterilize.
7	Store at 4°C. We usually use it without problem for up to at least a year after preparation.