

Nov 30, 2023

SM buffer for making phage dilutions

DOI

<https://dx.doi.org/10.17504/protocols.io.bp2l6xykrlqe/v1>

HANNAH ZHU^{1,2}

¹Macquarie University; ²jaschke labs



theo.casalibain TCB Casali-Bain

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.bp2l6xykrlqe/v1>

Protocol Citation: HANNAH ZHU 2023. SM buffer for making phage dilutions. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.bp2l6xykrlqe/v1>

License: This is an open access protocol distributed under the terms of the **[Creative Commons Attribution License](#)**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: November 30, 2023



Last Modified: November 30, 2023

Protocol Integer ID: 91596

Keywords: making phage dilution, phage dilution, sm buffer, dilution

Abstract

How to make sm buffer for phage dilutions



- 1 Dissolve following components in 300 mL of MilliQ water:

A	Final concentration	For 400 mL
NaCl	100 mM	2.34 g
Tris base	50 mM	2 g
MgSO ₄ • 7H ₂ O	8 mM	0.79 g

- 2 Adjust pH to 7.4 – 7.5 with HCl
- 3 Top up the volume to  400 mL with MilliQ water
- 4 Autoclave at  121 °C for  00:15:00
- 5 Cool down to room temperature
- 6 Filter-sterilise through 0.22 µm membrane
- 7 Store at room temperature

15m