



Dec 13, 2021

## SM buffer

## Frej Larsen<sup>1</sup>

<sup>1</sup>Copenhagen University





dx.doi.org/10.17504/protocols.io.b2tdqei6

## FOOD Micro UCPH



Frej Larsen

SM buffer is used for diluting and storing bacteriophages.

SM buffer contains:

200 mM NaCl<sub>2</sub>

10 mM MgSO<sub>4</sub>

50 mM Tris-HCl, pH 7.5

For storage at -20 or -80° C, 15% glycerol can be added before autoclaving.

The buffer can keep at room temperature for several months.

DOI

dx.doi.org/10.17504/protocols.io.b2tdqei6

Frej Larsen 2021. SM buffer. **protocols.io** https://dx.doi.org/10.17504/protocols.io.b2tdqei6

F

protocol ,

Dec 13, 2021

Dec 13, 2021

55877



1

Citation: Frej Larsen SM buffer <a href="https://dx.doi.org/10.17504/protocols.io.b2tdqei6">https://dx.doi.org/10.17504/protocols.io.b2tdqei6</a>

This recipe is for 1 liter of buffer. Make sure to recalculate the measurements if you are making a smaller or larger volume.

Ensure that your MgSO<sub>4</sub> is a monohydrate before weighing. If not, recalculate amount required to reach correct concentration.

For 1 liter of SM buffer: 11.7 g NaCl<sub>2</sub> 1.4 g MgSO<sub>4</sub> (monohydrate) 50 mL Tris-HCl, pH 7.5 (1 M) 950 mL demineralized water

