

FEB 20, 2023

General procedure for long-term cryopreservation of Yeast

Andreas Sagen¹

¹University of Oslo



Andreas Sagen

University of Oslo, The National Institute of Occupational H...

ABSTRACT

A simple and generalized procedure for freezing yeast cells.

OPEN ACCESS

Protocol Citation: Andreas Sagen 2023. General procedure for long-term cryopreservation of Yeast.

protocols.io

https://protocols.io/view/gener al-procedure-for-long-termcryopreservation-o-cpm6vk9e

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: In development
We are still developing and optimizing this protocol

Created: Feb 17, 2023

Last Modified: Feb 20, 2023

PROTOCOL integer ID:

77214



⊠ Glycerol **MP Biomedicals Catalog #194680**

Sterilize by autoclave at \$\ 121 \cdot C for \ \cdot O0:15:00

15m

4 Incubate a 🚨 20 mL batch of Yeast overnight

Note

3

It is important that the yeast culture is saturated, but not oversaturated. An ${\rm OD}_{600}$ between 0.4-0.6 is ideal.

5 Aliquot saturated culture into an appropriate container. For example:



6 Mix in 50% glycerol solution. For example:

7 Transfer to an ultra-low temperature or vapor-phase nitrogen freezer for long-term storage

Note

If possible, snap-freeze tubes in liquid nitrogen.