



May 13, 2023

Version 2

NCEM Drop - Inactivation of sample in solution (TM-014) V.2

DOI

dx.doi.org/10.17504/protocols.io.5jyl89k57v2w/v2

sandra.crameri¹

¹ACDP CSIRO



sandra.crameri

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.5jyl89k57v2w/v2>

Protocol Citation: sandra.crameri 2023. NCEM Drop - Inactivation of sample in solution (TM-014). **protocols.io** <https://dx.doi.org/10.17504/protocols.io.5jyl89k57v2w/v2> Version created by [sandra.crameri](#)

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: May 13, 2023



Last Modified: May 13, 2023

Protocol Integer ID: 81820

Keywords: proir to conventional ncem, conventional ncem, ncem drop, inactivation of sample, inactivation procedure, sample for biological transfer, ncem, inactivation, biological transfer, procedure, sample

Abstract

This inactivation procedure is used to inactivate a sample for Biological Transfer out of PC4, proir to Conventional NCEM.

Protocol materials

⊗ Paraformaldehyde (formaldehyde) 16% aqueous solution (DG) **ProSciTech Catalog #C004**

⊗ Paraformaldehyde (formaldehyde) 16% aqueous solution (DG) **ProSciTech Catalog #C004**











⊗ nano-W **Catalog ##2018-5ML**

Troubleshooting



Inactivation

10m

- 1 Add  50 μL  16 % volume
 Paraformaldehyde (formaldehyde) 16% aqueous solution
(DG) **ProSciTech Catalog #C004**
to a Sarstedt tube with o-ring (STK#:2056-U, Catalog #61226C2).
- 2 Add  150 μL sample to the
 Paraformaldehyde (formaldehyde) 16% aqueous solution
(DG) **ProSciTech Catalog #C004**
already in the tube. Leave contact time  00:10:00
- 3 Adsorb  10 μL sample to grid  00:10:00 , inspect to ensure sample doesn't dry out.
- 4 Drain excess sample from grid using fliter paper, leave wet.
- 5 Stain  nano-W **Catalog ##2018-5ML**  00:01:00
- 6 Drain & dry using filter paper

10m

10m

1m