

VERSION 2

MAY 13, 2023

NCEM Drop - Cell Pellet Dounce Homogenisation (TM-014) V.2

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ABSTRACT

cell pellet dounce homogenisation

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Protocol status: Working We use this protocol and it's working

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PROTOCOL integer ID:

81825

HEADER

1 SAN:

SPEC No:

OPERATOR:

Dounce Homogenisation

- 2 1. Remove cells from the flasks by scraping with a disposable plastic scraper and poor into a L 10 mL centrifuge tube.
- Pellet the cells in a bench top centrifuge at 2000 rpm 00:02:00 , remove supernatant.
- 4 Resuspend the cells in equal volume TC water and transfer to glass homogeniser tube.
- 5 Insert teflon plunger into cordless drill, set drill on max speed.
- 6 Homogenise(20 strokes) inside Class II BSC cabinet.

2m

- 7 Clarify resultant solution at 3 13000 rpm in Eppendorf centrifuge for 00:01:00
- 1m
- Stand for 00:05:00 to permit viruses to diffuse back into solution, from the debris, and provide an interface for the sampling of membrane associated viruses. Use supernatant for sample below.

5m

Conventional

11m

- 9 Adsorb \blacksquare 10 μ L sample to grid \bigcirc 00:10:00 , inspect to ensure sample does not dry out.
- 10m

- 10 Drain excess sample from grid using filter paper, leave wet.
- 11 Stain Stain nano-W Contributed by users Catalog ##2018-5ML 00:01:00

1m

12 Drain & dry using filter paper