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Version 1

NCEM Drop - Tissue Dounce Homogenisation (TM-014) V.1

DOI

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Protocol status: Working

We use this protocol and it's working

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Abstract

cell pellet dounce homogenisation

Protocol materials

 nano-W Catalog ##2018-5ML



HEADER

1 SAN:

SPEC No:

OPERATOR:

Dounce Homogenisation

2 1. Remove cells from the flasks by scraping with a disposable plastic scraper and pour into a  10 mL centrifuge tube.

3 Pellet the cells in a bench top centrifuge at  2000 rpm  00:02:00 , remove supernatant.

2m

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.

7 Clarify resultant solution at  13000 rpm in Eppendorf centrifuge for  00:01:00

1m



- 8 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 🧪 10 µL sample to grid ⌚ 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 📄 nano-W **Catalog ##2018-5ML** ⌚ 00:01:00

1m

- 12 Drain & dry using filter paper