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NCEM Drop - Tissue Dounce Homogenisation (TM-014)

DOI

<https://dx.doi.org/10.17504/protocols.io.eq2ly7odwIx9/v1>

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Protocol status: Working

We use this protocol and it's working

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Abstract

tissue dounce homogenisation

Protocol materials

 nano-W Catalog ##2018-5ML



HEADER

1 SAN:

SPEC No:

OPERATOR:

Dounce Homogenisation

- 2 This method is often used for scabs, warts, or chunks of tissue such as liver. Place ~ 5mm x 5mm piece of scab or tissue into glass homogeniser tube.
- 3 Insert teflon plunger into cordless drill, set drill on max speed.
- 4 Add equal volume TC water to tube, homogenise(20 strokes) inside Class II BSC cabinet.
- 5 Clarify resultant solution at  13000 rpm in Eppendorf centrifuge for  00:01:00 1m
- 6 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



7 Adsorb  10 μ L sample to grid  00:10:00 , inspect to ensure sample does not dry out.

10m

8 Drain excess sample from grid using filter paper, leave wet.

9 Stain  nano-W **Catalog ##2018-5ML**  00:01:00

1m

10 Drain & dry using filter paper