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Nanovesicles extraction

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ABSTRACT

Nanovesicles extraction (Exosomal isolation, SHSY-5Y)

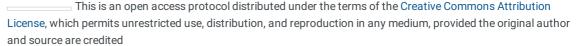
DOI

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PROTOCOL CITATION

Veerle Baekelandt 2021. Nanovesicles extraction. **protocols.io** https://dx.doi.org/10.17504/protocols.io.bw5wpg7e

LICENSE



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1 seed cells for \odot **24:00:00** in 3 x 15 cm dishes at a density of 20 x 10⁶ cells per plate

1d

- 2 wash cells of all the plates with 2 times

 □10 mL of 1x PBS
- Add 10 mL DMEM with 1% exosome depleted FBS to each plate for 24:00:00

1d

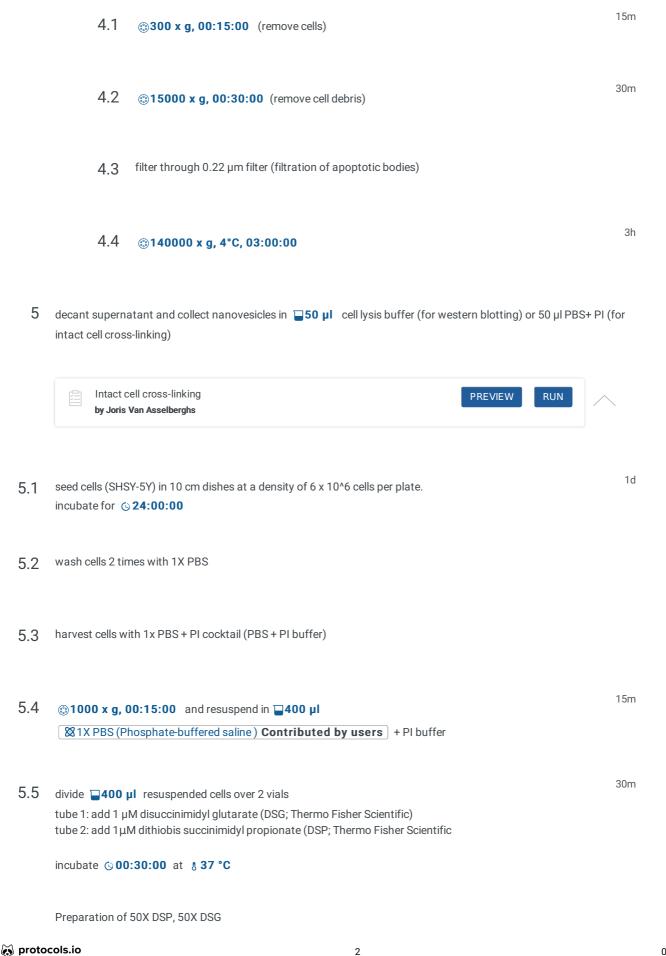
Preparation of exosome depleted FBS:

Commercial FBS was filtrated through 0.22 µm filter and @140000 x g, overnight

4 collect medium.

purify nanovesicles with differential centrifugation (see substeps)

Citation: Veerle Baekelandt (08/05/2021). Nanovesicles extraction. https://dx.doi.org/10.17504/protocols.io.bw5wpg7e



08/05/2021

50 X DSP: 2.02mg into $100 \mu L$ DMSO 50 X DSG: 1.632mg into $100 \mu L$ DMSO

Note: Prepare the crosslinkers freshly before use

quenche reaction for \odot **00:15:00** on **§ Room temperature** in both tubes with [M]**20 Milimolar (mM)** Tris (pH**7.4**)

10s

5.7 sonicate cells 2 times at 30 Hz with 15 ON-OF intervals of © 00:00:10 (1s pulses)