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Sample pre-treatment for direct exosome detection on urine Protocol

The sample pre-treatment for direct exosome detection from urine is not recommended for detection of exosomes from any other body fluids or cell culture media.

Specific sample pre-treatment protocols are available for plasma and cell culture media, each optimized for its specific type of biological sample.

0,8 – 10 mL of urine typically provides enough exosomes for most standard types of analysis.

1. Centrifuge urine (aprox. 10 ml) at 200 xg for 10 minutes at 4°C.
2. Save the supernatant at 4°C.
3. Add 1 M DTT solution to the pellet (28 µl/ 10 ml urine).
4. Incubate the pellet + DTT in a water bath at 37°C.
5. Add 2,15 ml of the previously saved supernatant to the pellet + DTT
6. Mix well with a vortexing.
7. Centrifuge at 200xg for 10 minutes at 4°C.
8. Discard the pellet
9. Mix the supernatant with the rest of supernatant previously stored.

Sample is ready for exosomes detection.

If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem with the product is suspected, contact our Technical Services. (tech@immunostep.com).

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