Plasma-derived exosomal preparation and isolation of RNA

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Fernanda Svedman[1], Warangkana Lohcharoenkal[1], Matteo Bottai[1], Suzanne Egyhazi Brage[1], EnikÃ¶ Sonkoly[1], Johan Hansson[1], Andor Pivarcsi[1], Hanna Eriksson[1]

[1]Karolinska Institute Stockholm

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Fernanda Svedman

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PROTOCOL STATUS

Working

Preparation of plasma-derived EVs and isolation of RNA

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Section A._3.png

Section A._2.png

MiRCURY Exosome Isolation Kit-Serum and Plasma (Exiqon, Denmark) was used for isolation of plasmatic EVs. Briefly, 600 ml of plasma was treated with thrombin for 5 minutes at room temperature to remove clotting factors. The supernatant was mixed with 200 ml of precipitation buffer and incubated at 4Â°C for overnight and centrifuged (10,000 g for 30 min at room temperature). The pellet was vortexed for 5-15 minutes in 270 ml resuspension buffer until completely re-suspended. The EV miRNA was extracted using miRCURY RNA isolation kit-biofluids (Exiqon, Denmark) according to the manufacturerÂ´s instruction. RNA spike-in template mixture (Exiqon, Denmark) was added as a quality control of the downstream PCR analysis.

Section A. Standard protocol for RNA isolation_1.png

Section D. Exosome isolation.png

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