Human breast carcinoma cell line MDA-MB-231 was cultured in 2 x 300 cm$^2$ flasks for 48 hours. Medium (60 ml) was spun 5 min at 300 x g and then 15 min at 10,000 x g. The supernatant was then concentrated down to 1 ml using 3,000 x g centrifugation and Vivaspin 20, 100 kDa molecular weight cut-off centrifugal device. The resulting material was applied onto a 10 ml Exo-spin™ midi column and equilibrated with PBS. Twenty six fractions (each of 0.5 ml) were collected and analysed to (i) evaluate particle numbers and (ii) measure absorbance at 280 nm to evaluate protein concentration.

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<th>Fraction no.</th>
<th>Protein (mg/ml)</th>
<th>Exosome (x10E8/ml)</th>
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**Exosome Extraction Profile**

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