

ExoStep™ Kit

Superior Alternative For **Exosome Detection**



- 1 Specific and unambiguous detection of exosomes.
- 2 Excellent correlation between fluorescence and amount of exosomes.
- 3 Allowing simultaneous immunophenotyping of exosomes capture population.
- 4 Qualitative Analysis without isolation or precipitation.

Improve your **Liquid Biopsy Research**
with the most sensitive method
developed to date.

Find us online!

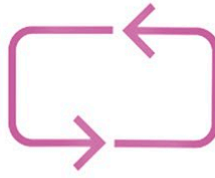
We know how to help you with your exosome research

Specific Exosome Detection in biological fluids by flow cytometry.

ExoStep™ kit is a superior alternative for the sensitive detection of exosomes compared with the most commonly used methods besides being easy to implement and analyse for any laboratory that has access to a conventional flow cytometer.



Centrifugation is not needed



Reproducible Results



Effective with small sample quantities

Highly Sensitive Bead-based Assay

The kit is a simple **immunobead-based assay for the detection of exosomes**, using a bead-bound capture antibody and a fluorochrome conjugated detection antibody. The sensitivity of the assay has demonstrated to be very high with a positive signal detected as little as thirty ng of exosomes while 2 ug were required for WB detection.

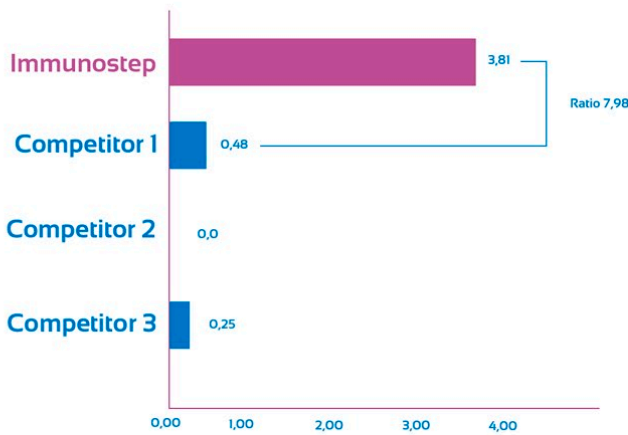


Figure 1: Sensitivity comparison among competitors.

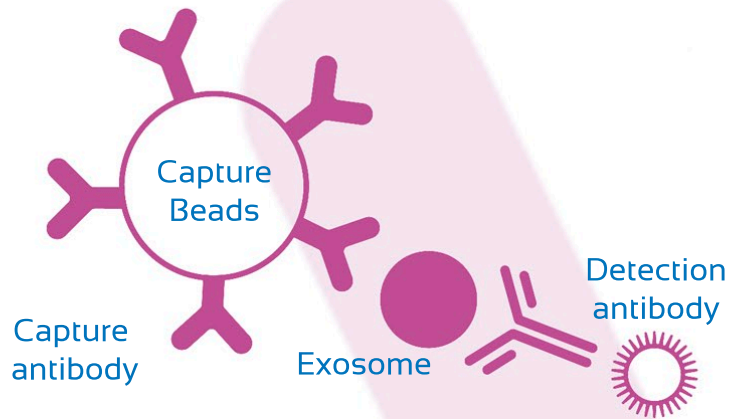


Figure 2: Graphical representation of the assay method.

Wider dynamic range and limit of detection.

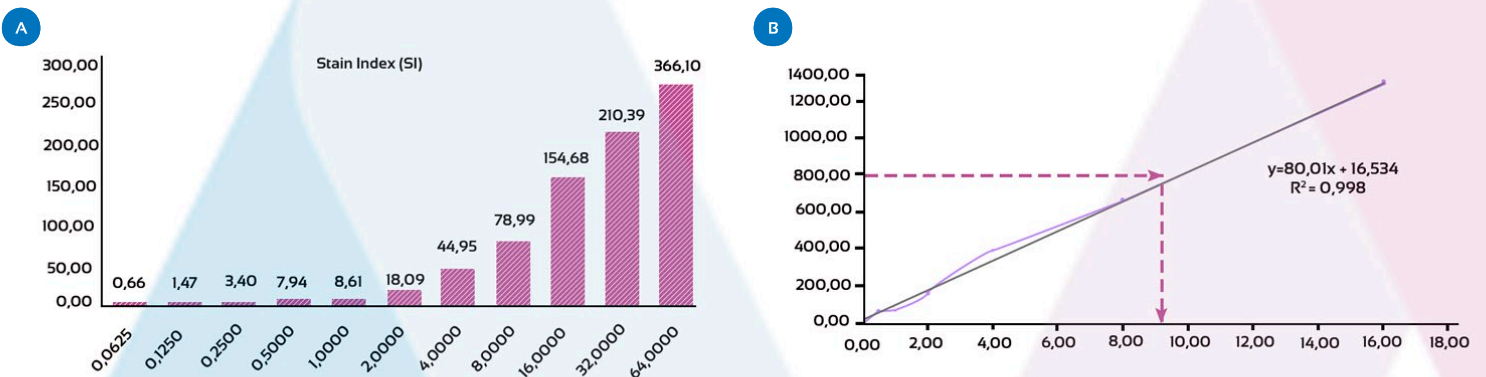


Figure 3: Sensitivity and linearity analysis. **A** Flow cytometry analysis of sensitivity (Stain Index) of different quantities (0,0625 to 64 µg) of exosomes relative to the negative control (0 µg). **B** Correlation between exosome quantity and CD9 MFI. Exosome quantity was plotted against MFI, resulting in a linear correlation between 0 -16 µg. $R^2=0,99$. Exosomes isolated from cell culture supernatant of the human prostate cancer cell line PC3 were used.

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