

## ExoStep™ Kit

Superior Alternative For **Exosome Detection** on these samples:



**ANY BODY FLUID**  
ExoS-25-G9  
ExoS-25-G81  
ExoS-50-G9  
ExoS-50-G81



**CELL CULTURE**  
ExoS-25-C9  
ExoS-50-CST9



**PLASMA/SERUM**  
ExoS-25-P81  
ExoS-50-PST81



**URINE**  
ExoS-25-U9



### ADVANTAGES

1 Excellent correlation between fluorescence and amount of exosomes

2 Simultaneous immunophenotyping of exosomes capture population

3 Qualitative Analysis without isolation or precipitation

4 Specific and unambiguous detection of exosomes

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



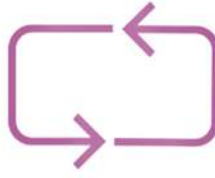
**Do you want more information?**  
Scan this QR code and see  
all the details of our  
ExoStep kits.

## 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.

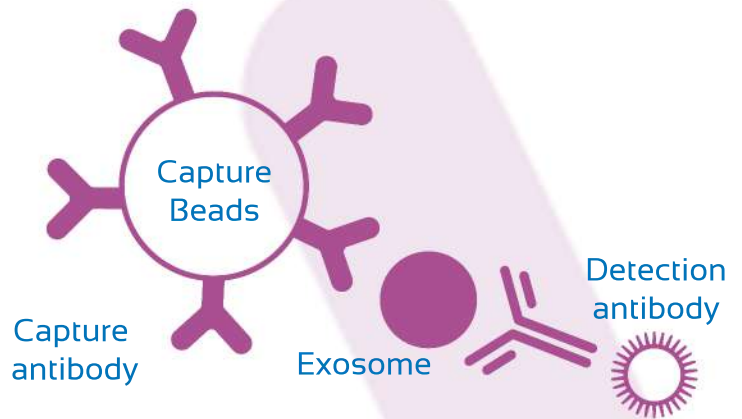
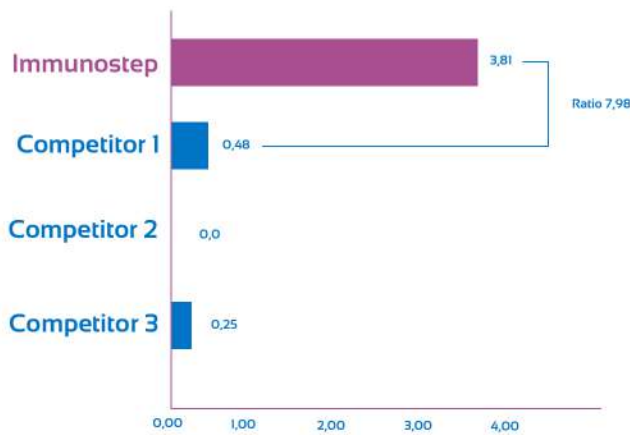


Figure 1: Sensitivity comparison among competitors.

Figure 2: Graphical representation of the assay method.

## Wider dynamic range and limit of detection

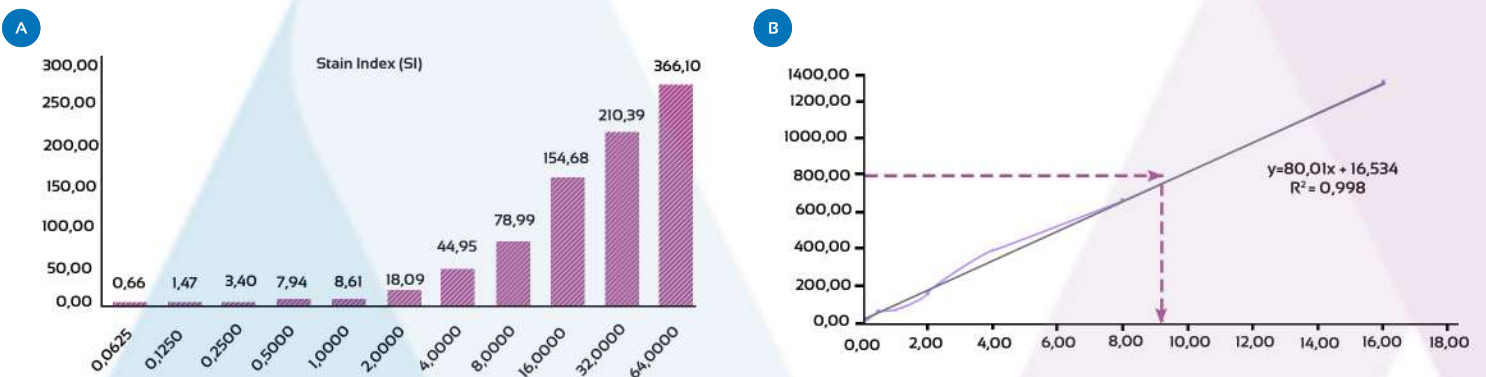


Figure 3: Sensitivity and linearity analysis. **A** Flow cytometry analysis of sensitivity (Stain Index) of different quantities (0,0625 to 64 µg) of exosomes relative to the negative control (0 µg). **B** Correlation between exosome quantity and CD9 MFI. Exosome quantity was plotted against MFI, resulting 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.

We know how to help you with your exosome research



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