we know how
immunostep

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

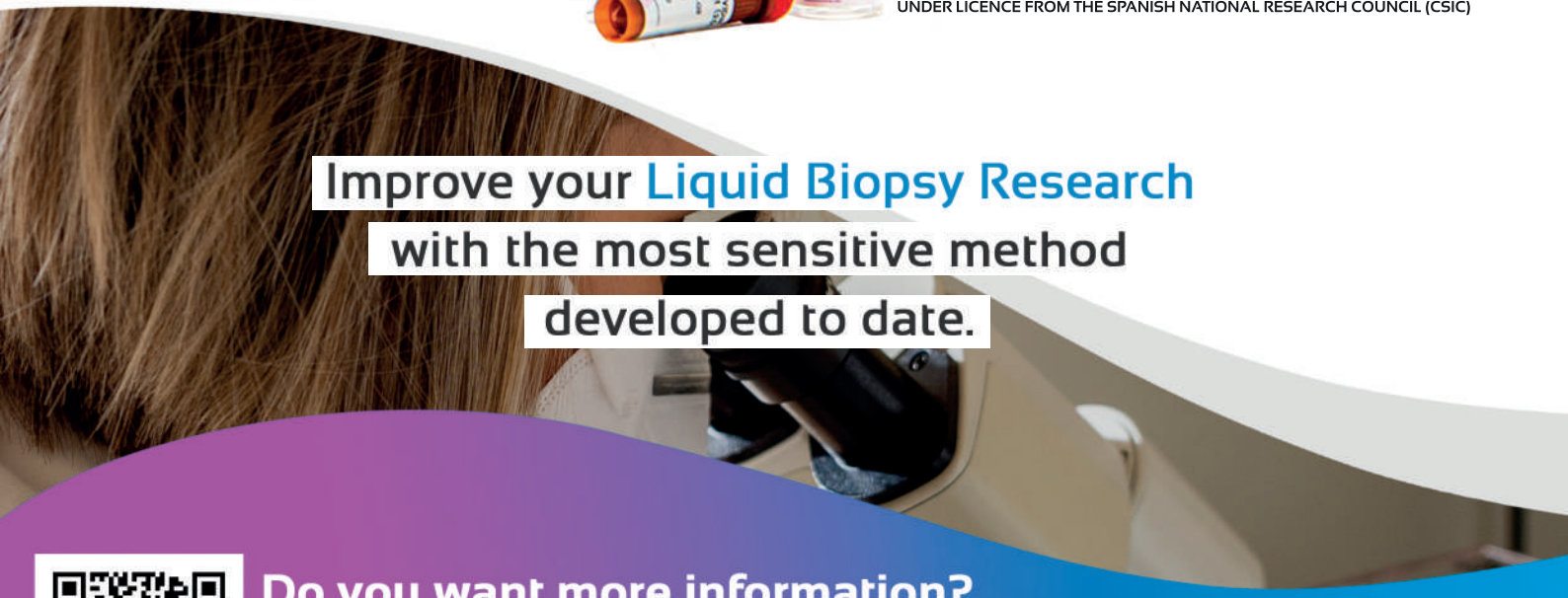
PLASMA/SERUM
ExoS-25-P81
ExoS-50-PST81

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

UNDER LICENCE FROM THE SPANISH NATIONAL RESEARCH COUNCIL (CSIC)



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

ExoStepTM 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.

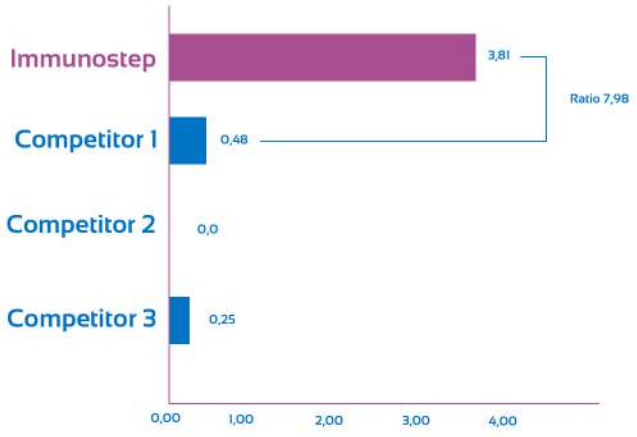


Figure 1: Sensitivity comparisong among competitors.

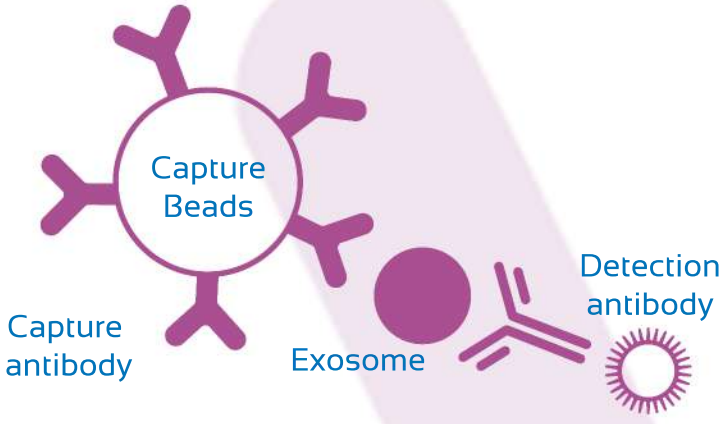


Figure 2: Graphical representation of the assay method.

Wider dynamic range and limit of detection

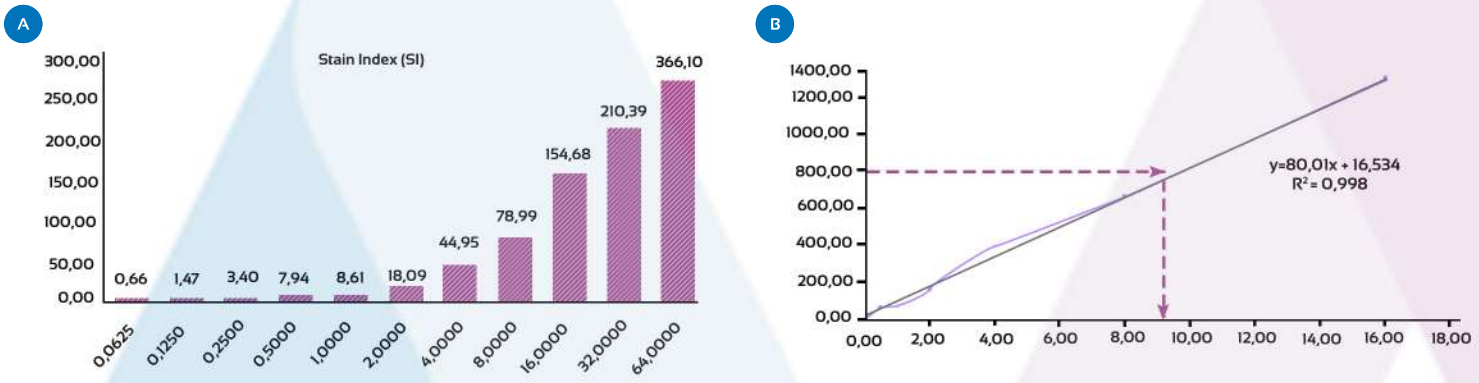


Figure 3: Sensitivity and linearity analysis. A Flow cytometry analysis of sensitivity (Stain Index) of different quantities (0,0625 to 64 µg) of exosomes relative to the negative control (0 µg) . B Correlation between exosome quantity and CD9 MFI. Exosome quantity was plotted against MFI, resulting in a linear correlation between 0 -16 µg. R2=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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