



EXOVIEW[™] R100 IMAGER COMPLETE EXOSOME CHARACTERIZATION

KEY FEATURES

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ExoView[™]RIOU</sup>



PURIFICATION NOT REQUIRED

Measure the changes in your sample, not the biases from your purification technique



3 color fluorescence (Blue, Green, Red)



EV SIZE

Measure the size of EVs down to 50nm



Probe for EV luminal



Count EVs expressing specific surface markers



BIOMARKER COLOCALIZATION

Colocalize up to 4 biomarkers on single EVs

REQUEST A DEMO TODAY



THE COMPLETE EXOVIEW[™] SYSTEM

- R100 Automated Imager
- Acquisition & Analysis Software
- Tetraspanin Plasma Kit

A STEP FORWARD IN SINGLE VESICLE ANALYSIS

The ExoView[™] R100 is the first automated platform to provide high resolution sizing, counting, and biomarker detection at the single EV level. The multiplexed array allows for EVs to be captured against up to 6 surface proteins in parallel. Subsequent fluorescent labeling with up to 3 fluorescent dyes allows up to 4 markers to be colocalized on each individual EV. With single binding event sensitivities in fluorescence, even the smallest EVs with poorly expressed proteins can be detected, while simultaneously measuring EV size and count. Samples, including plasma and serum, can be measured without the need for purification, reducing time, cost, and biases associated with sample purification.



PERFORMANCE

| MIN. PARTICLE SIZE SCATTER | 50nm | FLUORESCENCE SENSITIVITY | Better than 10 fluorescein equivalents |
|----------------------------|---|-------------------------------|---|
| CONCENTRATION LINEARITY | 5x10 ⁵ to 1x10 ⁸ particles/mL | EXCITATION WAVELENGTHS | 410nm, 488nm, 555nm, 640nm scatter fluorescence fluorescence |
| SAMPLE VOLUME | 35µL on chip (often diluted 1:10—1:1000) | CAPTURE ANTIBODIES | Up to 6 capture antibodies (+negative control on multiplexed single use chip |

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