

WORKFLOW
AUTOMATION



EXOVIEW[®]

CW100 PLATE WASHER

AUTOMATED SAMPLE HANDLING
VALIDATED REPRODUCIBILITY



Automated
sample washing



Automated
sample drying



Incubation



Automated
buffer exchange

For Research Use Only.
Not for use in diagnostic procedures.

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KEY BENEFITS:

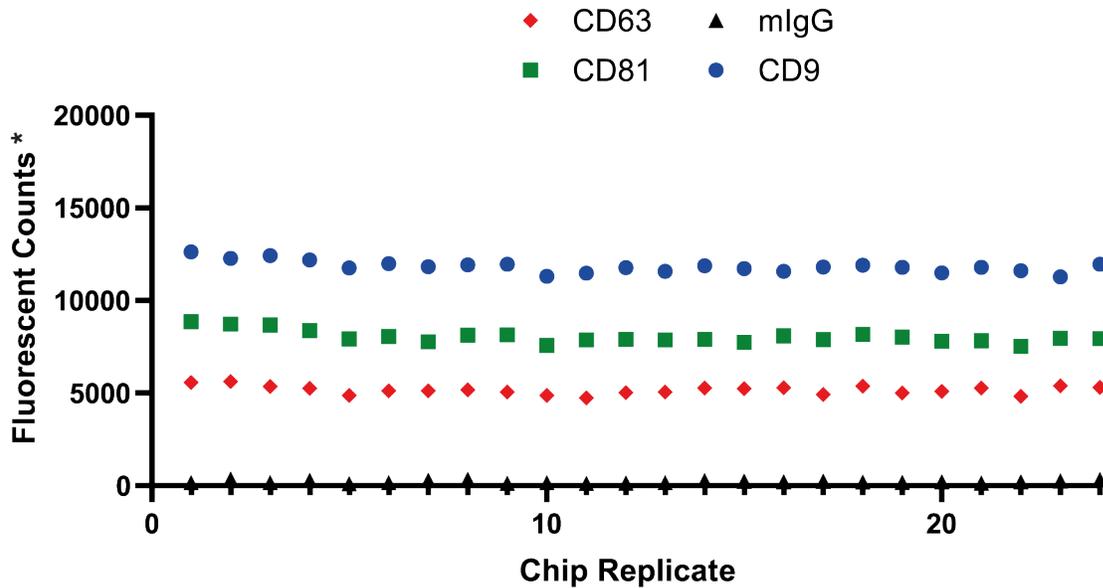
- IMPROVED SAMPLE-TO-SAMPLE REPRODUCIBILITY
- IMPROVED USER-TO-USER REPRODUCIBILITY
- 95% REDUCTION IN HANDS-ON TIME
- 3.7% SAMPLE-TO-SAMPLE VARIABILITY

ExoView® plate washer: 3.7% CV across 24 samples

The ExoView® platform enables high-resolution multi-dimensional characterization of extracellular vesicles (EVs) by combining physical and biophysical characterization of EV size, count and protein expression profiles. ExoView® chips affinity-capture EVs without the need for sample purification. Standard ExoView® chips are functionalized with antibodies against common EV tetraspanin markers (CD9, CD63, CD81 and CD41a).

Chips can also be customized with any custom antibody to target specific EV subpopulations.

To test the reproducibility to the ExoView® plate-washer, 24 chips were tested using PANC1 (pancreatic cancer cell lines) conditioned media. No prior purification was required. Fig.1 shows the number of EVs positive for CD63, CD81 and CD9 measured from 24 repeat samples using the ExoView® platewasher. An average coefficient of variance of 3.7% was measured across 24 samples.



*Total unique particles per capture probe

SPECIFICATIONS

COMPATIBLE CHIPS	Any ExoView® chip	WASH BUFFERS	Sold separately
HANDS ON TIME	< 5 Minutes per kit (16 chips)	DATA ANALYSIS	Count antigen positive EVs
SAMPLE VOLUME	35 µL per sample		Measure size of EVs down to 50nm
SAMPLE INCUBATION TIME	Overnight		Colocalize up to 4 markers per EV
VARIABILITY	3.7% CV across 24 repeats		Probe for internal proteins and cargo
DATA ACQUISITION TIME	10 minutes per chip		