
EXOSOMES·EXTRACELLULARVESICLES
THE COMPLETE EV WORKFLOW.
From the lab that built the field's first commercial exosome kit:
one platform for EV isolation, characterization, and engineering.
CELLBIO SCIENTIFIC

ONE PLATFORM FOR THE ENTIRE EV WORKFLOW.

CellBio Scientific's EV portfolio is built on the first commercial exosome isolation kit and reagents widely cited in EV research. It supports EV isolation, characterization, engineering, and analysis across sample types and scales, ranging from low-volume serum and plasma to large-volume cell culture media.

1 EXOQUICK EV ISOLATION 6

ExoQuick & ExoQuick TC | ExoQuick-ULTRAPURE & ULTRAPURE TC | ExoQuick-ULTRA & ExoBacteria

2 SMARTSEC EV ISOLATION 10

SmartSEC (Mini, Single, High Throughput, DeLipo)

3 CHARACTERIZATION 12

Exo-Flow | Exo-Flow ONE | Antibodies | Exo-Check

4 QUANTITATION 16

ExoELISA-ULTRA | EXOCET | FluoroCet | ExoGlow-NTA

5 VISUALIZATION 20

ExoGlow | ExoGlow-Vivo | Cyto-Tracer

6 ENGINEERING 24

Purified Exosomes | Exo-Fect | XMIR/AXMIRs | XPack | XStamp

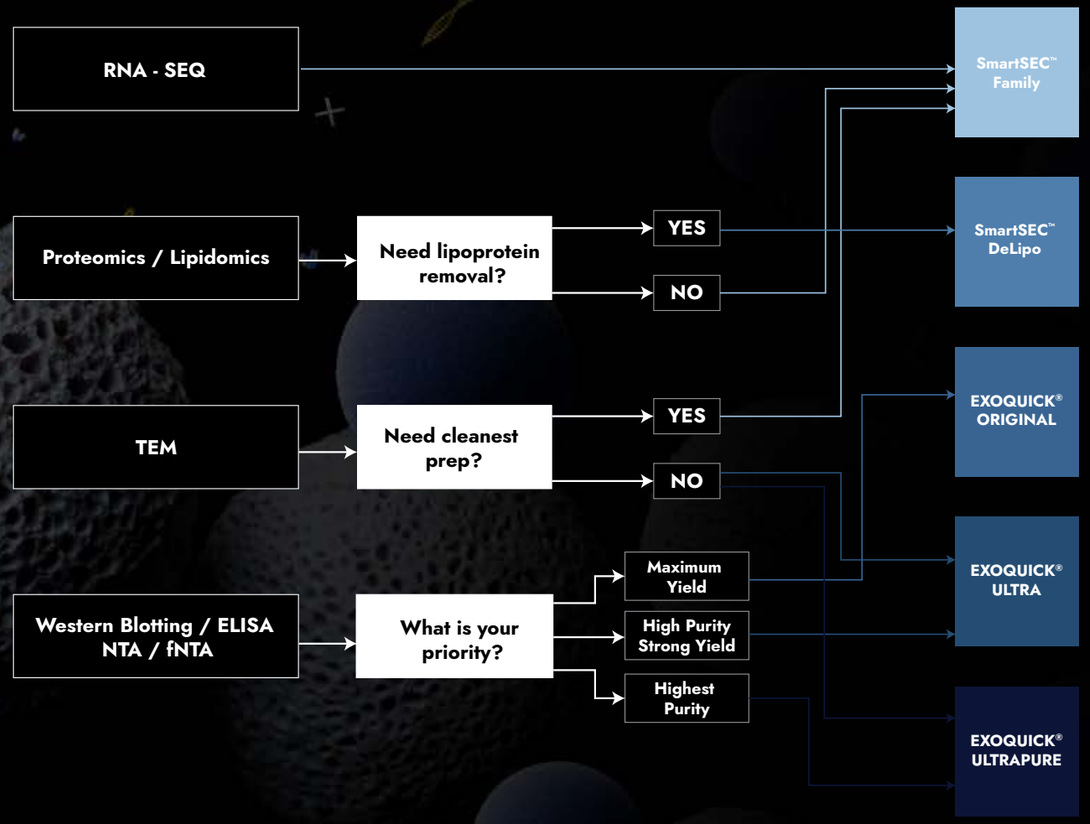
7 DISCOVERY SERVICES 28

EV Isolation | RNA Characterization | Proteomics | Lipidomics

1

EXOQUICK EV ISOLATION

THE COMPLETE ISOLATION PORTFOLIO.



CellBio Scientific's portfolio spans whole-vesicle capture, EV RNA isolation, and multi-analyte specialty kits. Whatever your sample, scale, or downstream readout, our portfolio offers a validated isolation chemistry for it.

THE EXOQUICK® FAMILY

ONE PROVEN CHEMISTRY, THE WHOLE SUITE

DISCOVER ALL EV ISOLATION PRODUCTS

420× MORE EVS

Recovers up to 420 times more vesicles than ultracentrifugation per normalized input volume.

CLEANER BY DESIGN

Cuts albumin carry-over by 75% and immunoglobulins by 40% beyond ultracentrifugation and competitor kits.

CATCH OBSCURED DETAILS

Increases EV biomarker detection by up to 11-fold for CD9 and 8-fold for CD81.

DIVERSE SAMPLES IN ONE SUITE

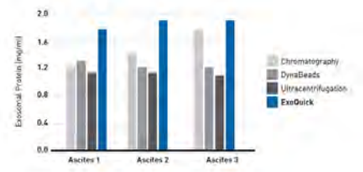
ExoQuick-TC ULTRA extends high-yield, high-purity isolation to culture media, while paired RNA and cfDNA kits pull nucleic acids from the same prep. ExoQuick UltraPure isolates from as little as 100 to 250 µL of serum or plasma with minimallipoprotein and albumin carryover.

The ExoQuick family delivers rapid, reproducible, ultracentrifuge-free EV isolation. A proprietary polymer gently precipitates vesicles into an intact, bioactive pellet, ready for downstream analysis. The same core chemistry scales across the family: formulations matched to serum, plasma, culture media and other compatible biofluids; column-based clean-up when purity drives the readout; and specialized workflows for high-purity EV recovery. Choose the level of purity your application demands: proven general-purpose precipitation with ExoQuick and ExoQuick-TC, enhanced purity with ExoQuick ULTRA, or the highest purity with the UltraPure mixed-mode chromatography workflow.

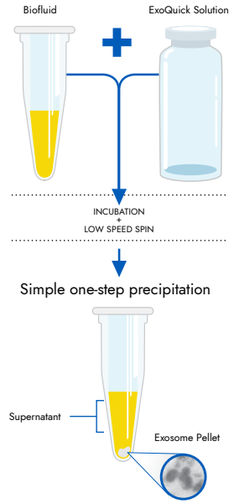
EXOQUICK®

THE ORIGINAL EV ISOLATION.

No ultracentrifuge required. Gently delivers high-quality exosomes from biofluids along with their associated microRNAs, siRNAs, and even mRNA. Quantitative analytical techniques such as qPCR, microarray studies, and next-generation sequencing are all compatible with ExoQuick-purified exosomes.



SKU	NAME
EQ808A-1	ExoQuick Exosome RNA Purification Column Kit - 20 Preps.



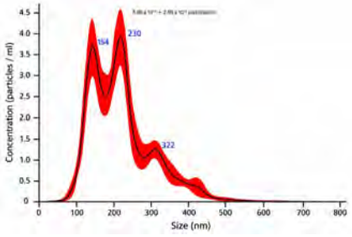
Isolated exosomes can be found in the pellet and resuspended in an appropriate solution.

EXOQUICK® TC

FAST. SCALABLE.

With all the benefits of ExoQuick – this kit is designed specifically for fast, gentle and scalable exosome isolation from tissue culture media. This technology increases yield over traditional methods like ultracentrifugation and can be used on volumes (as low as 1 ml) of tissue culture media.

SKU	NAME
EXOTC10A-1	ExoQuick TC - 10 ML
EXOTC50A-1	ExoQuick TC - 50 ML



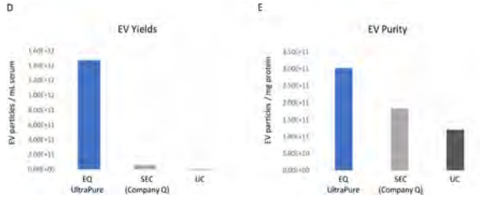
Exosome size distribution and yield from cell culture samples, analyzed by NanoSight nanoparticle tracking analysis (NTA)

EXOQUICK® ULTRAPURE

MAXIMUM YIELD. MAXIMUM PURITY.

ExoQuick UltraPure combines the proven capture efficiency of ExoQuick precipitation with advanced mixed-mode column chromatography to deliver highly concentrated, high-purity EVs from serum and plasma. The dual-action workflow first captures EVs through gentle precipitation, then removes contaminants through a purification column integrating size separation, affinity interactions and lipoprotein depletion. Designed for precious samples, it processes approximately 100–250 µL of serum or plasma and uses a rapid, ultracentrifuge-free workflow. The resulting EVs are suitable for nucleic-acid and protein profiling, quantification and characterization, EV engineering, biomarker discovery, and in vivo/ex vivo applications.

SKU	NAME
EQ UltraPure	ExoQuick UltraPure EV Isolation Kit for serum/plasma - 10 reactions.



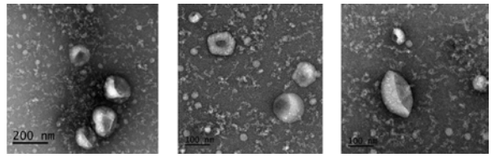
EQ UltraPure Outperforms SEC and UC both in yield and purity.

EXOQUICK®-TC ULTRAPURE

HIGH-PURITY EV ISOLATION AT ANY SCALE.

ExoQuick-TC UltraPure brings the UltraPure dual-action workflow to conditioned culture media. ExoQuick precipitation captures EVs, followed by mixed-mode affinity purification designed to remove albumin, IgG, lipoproteins and other carryover contaminants. The system is designed to scale from standard culture-flask volumes to large bioreactor harvests without ultracentrifugation, pre-concentration or ultrafiltration. SBI reports greater than 90% EV recovery from conditioned media and a workflow compatible with EV characterization, NGS and miRNA profiling, proteomics, EV engineering, uptake studies, biomarker discovery and large-scale EV production.

SKU	NAME
EQ-TC UltraPure_S	ExoQuick-TC UltraPure EV Isolation Kit for Tissue Culture (1 reaction = 10 mL Culture Medium)
EQ-TC UltraPure_L	ExoQuick-TC UltraPure EV Isolation Kit for Tissue Culture (1 reaction = 100 mL Culture Medium)



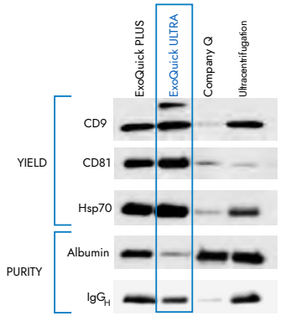
EVs isolated using ExoQuick-TC UltraPure display typical native EV morphology

EXOQUICK® ULTRA

HIGH YIELD. CLEANER EVs. FAST.

ExoQuick ULTRA combines high-recovery polymer-based EV precipitation with a convenient column clean-up step for serum and plasma. It is positioned for researchers who need both strong EV recovery and reduced protein carryover without ultracentrifugation. Our data reports reduced albumin and immunoglobulin carryover compared with other methods, higher normalized EV yields, and increased sensitivity for EV biomarker detection. The workflow is suitable for Western blotting, proteomics, NGS, EV labeling, biomarker analysis and functional studies.

SKU	NAME
EQULTRA-20A-1	ExoQuick UltraPure EV Isolation Kit for serum/plasma - 10 reactions.



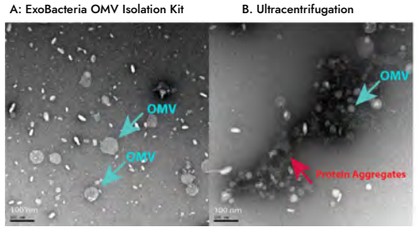
Western blotting of the gel showed that the ExoQuick Ultra preparation contained the highest levels of the exosome markers CD9 and CD81 and the lowest levels of the carryover proteins albumin and IgG.

EXOBACTERIA™ OMV

RESIN-BASED. HIGHER YIELD. BETTER PURITY THAN ULTRACENTRIFUGATION.

The ExoBacteria OMV Isolation Kit is the first dedicated solution for isolating bacterial outer membrane vesicles from E. coli and other Gram-negative species. With a simple gravity column workflow, researchers can obtain highly purified OMVs in under an hour while achieving superior yield and purity compared to traditional ultracentrifugation methods.

SKU	NAME
EXOBAC100A-1	ExoBacteria OMV Isolation Kit - 20 Reactions



Comparison of transmission electron micrographs (TEM) of E. coli-derived OMVs isolated using (A) the ExoBacteria OMV Isolation Kit or (B) ultracentrifugation. OMVs (light blue arrows) are indicated in both samples, but note the unwanted protein aggregates (red arrow) that appear in the ultracentrifugation sample.

2

SMARTSEC EV ISOLATION

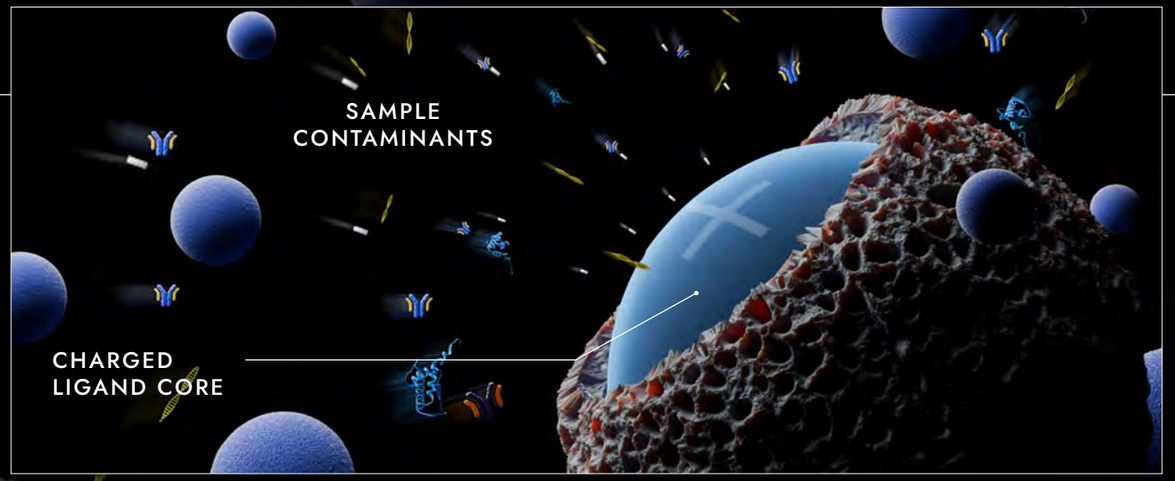
SMARTSEC™

A SECOND-GENERATION MULTIMODAL COLUMN

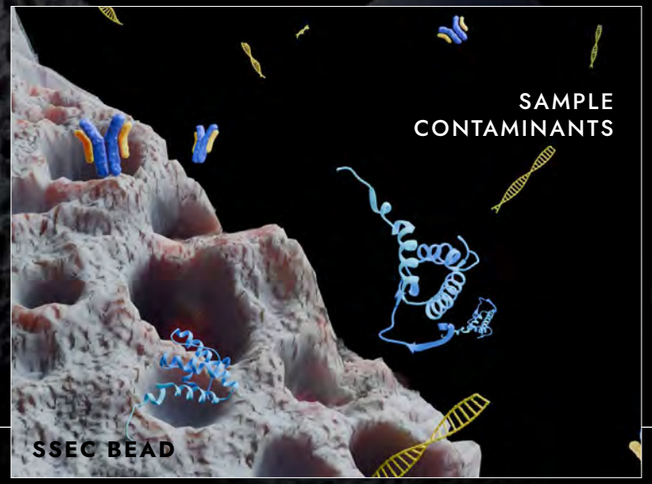
DISCOVER ALL EV ISOLATION PRODUCTS

SmartSEC™ pairs size-exclusion with a proprietary multimodal resin that actively traps proteins and lipoproteins while intact vesicles elute in a single spin. Unlike conventional SEC, which separates only by size, SmartSEC removes contaminants that overlap the EV size range and eliminates the need to collect, pool, and reconcentrate multiple dilute fractions. The result is a faster, simpler workflow that delivers concentrated, high-purity EVs ready for downstream analysis.

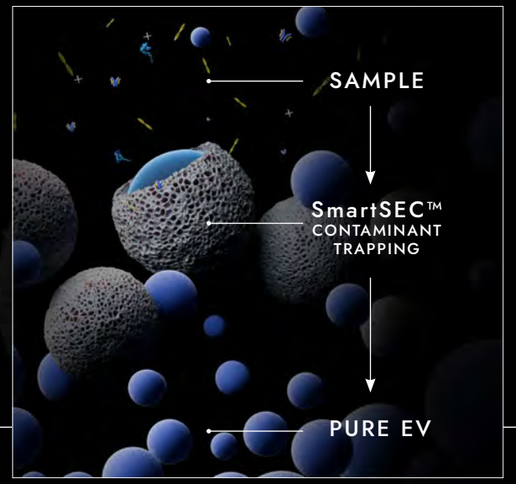
SmartSEC™ (SSEC) BEAD



CONTAMINANT TRAPPING



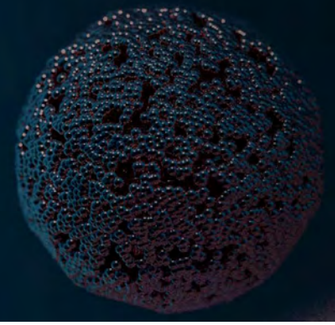
SAMPLE FLOW
THROUGH SSEC COLUMN



3 CHARACTERIZATION

KNOW WHAT YOU ISOLATED. UNDERSTAND WHAT IT CARRIES.

Reliable EV characterization requires more than a single measurement. Orthogonal analytical methods, together with approaches using antibodies and dyes, help distinguish EVs from co-isolated contaminants, assess concentration and purity, identify specific subpopulations, and evaluate protein cargo. The result is a clearer understanding of sample identity and composition.



CAPTURE

SELECT SPECIFIC EV POPULATIONS + HETEROGENEITY

Exo-Flow | Exo-Flow One

Exo-Flow kits enable high-throughput, antibody-based exosome isolation and analysis. Pre-validated magnetic bead-coupled antibodies and high-quantum-efficiency dyes provide high-resolution flow cytometry and FACS analysis with greater than 99% target specificity. The reversible staining system allows sorted exosomes to be recovered clean and unstained for downstream applications.

ANALYZE

EXPLORE EV IDENTITY

Exo-Check Array | EV Antibodies

Our Arrays enable antibody-based detection of many targets in parallel with the convenience and simplicity of a membrane-based dot-blot, using as little as 50 µg of exosomal protein. Human and Mouse panels are compatible with most exosome isolation methods. Validated antibodies are also available individually for Western blotting and other applications.

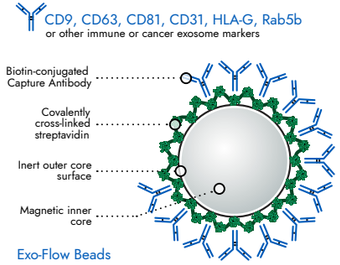
EXO-FLOW™

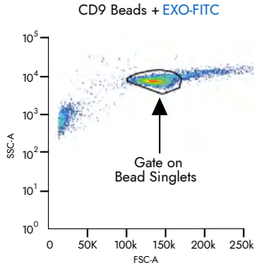
SELECTIVE CAPTURE OF EV POPULATIONS

LEARN MORE ABOUT EXO-FLOW

Exo-Flow uses streptavidin-coated magnetic beads and validated antibodies for selective capture and purification of EVs by FACS or immunoprecipitation.

Choose beads pre-coupled to EV-specific antibodies or uncoupled streptavidin beads for use with your own biotinylated capture antibody. Enhanced kit components are designed to reduce nonspecific binding and improve capture of defined EV subpopulations.





CD9 capture beads incubated with EXO-FITC–labeled EVs were gated by forward scatter (FSC-A) and side scatter (SSC-A) to identify bead singlets for subsequent fluorescence analysis.

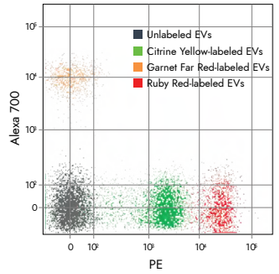
EXOFLOW-ONE™

SELECTIVE CAPTURE OF EV POPULATIONS.

ExoFlow-ONE fluorescently labels internal EV components using high-quantum-efficiency Gemstone dyes, enabling direct EV analysis by flow cytometry and FACS.

Spectral separation between dye options supports flexible multiparametric EV experiments.

Cat. #	ExoFlow-ONE Dye	Excitation/Emission (nm)	Laser Line (nm)
EXOF100A-1	Ruby Red	573/588	561
EXOF200A-1	Garnet Far Red	628/643	633
EXOF300A-1	Emerald Green	511/525	488
EXOF400A-1	Topaz Blue	403/454	405
EXOF500A-1	Citrine Yellow	542/556	532

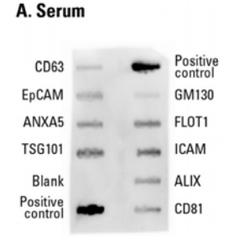


The excellent spectral separation of ExoFlow-ONE dyes supports greater flexibility and enables more powerful multi-parametric flow experiments with EVs.

EXO-CHECK™ ARRAY

PROFILE MULTIPLE EV MARKERS AT ONCE.

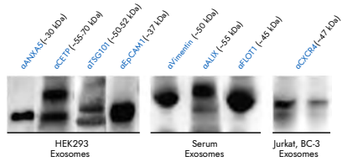
Exo-Check provides an antibody-array approach for characterizing an EV preparation. The array simultaneously detects eight established EV-associated proteins and includes an additional marker for monitoring cellular contamination.



Exo-Check Antibody Array was exposed to 50 µg of exosomal proteins isolated from pooled, normal human serum using ExoQuick. The antibody spots will provide varying levels of signal, depending upon the source of the isolated exosomes.

EXOAB ANTIBODY KIT

The ExoAb Antibody Kit includes rabbit polyclonal antibodies that recognize the human forms of four commonly used exosome markers: CD9, CD63, CD81, and HSP70. The kit provides a convenient way to detect these markers and support the characterization of isolated exosome preparations.



Additional validated exosome marker antibodies:
ANXA5 / CETP / TSG101 / EpCAM1 / Vimentin / ALIX / FLOT1 / CXCR4

4

QUANTITATION

HOW MUCH IS ACTUALLY THERE?

Different EV experiments require different quantitative readouts. CellBio Scientific offers antibody-based, enzymatic and fluorescent assays alongside fluorescent nanoparticle tracking approaches, allowing researchers to match the measurement method to their sample and study.

ASSAY-BASED

MATCH THE ASSAY TO THE QUESTION.

ExoELISA-Ultra | Exocet | FluoroCet

Our Quantitation Tool Kit is full of options. ExoELISA-Ultra 2nd generation kits increase the sensitivity of exosome detection while shortening the total assay time to only 4 hours. For antibody-free options, Exocet delivers results in just 20 minutes from about 50 µg of protein, while FluoroCet pushes sensitivity further — over 30x more sensitive, with results from under 1 µg of protein in about an hour.

PARTICLE-BASED

DISTINGUISH EVs FROM BACKGROUND PARTICLES

ExoGlow NTA

ExoGlow-NTA Labeling Kit (for Malvern NanoSight), uses a proprietary dye that results in more accurate EV NTA data that excludes protein aggregates, membrane fractions, and other background particles to provide EV-specific particle size and concentration.

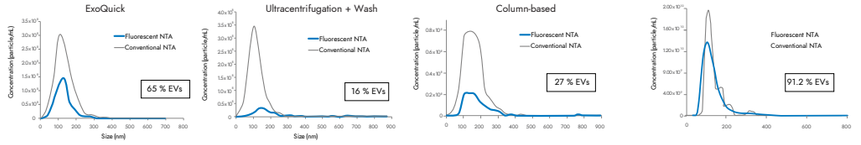
EXOGLOW-NTA™

SEE THE EVs WITHIN THE PARTICLES

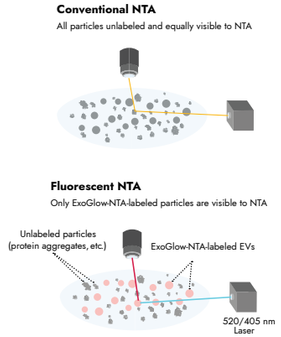
LEARN MORE ABOUT EXO-GLOW-NTA

ExoGlow-NTA fluorescently labels intact extracellular vesicles for fluorescent NTA. The proprietary dye reacts with the surface of intact vesicles, while membrane fragments, protein aggregates and other background particles are excluded from fluorescent measurement.

SKU	NAME
EXONTA110A-1	ExoGlow™-NTA Fluorescent Labeling Kit (for Particle Metrix ZetaView®)



ExoGlow-NTA demonstrates that conventional NTA overestimates EV concentration in samples irrespective of EV isolation method employed. Representative data compare conventional and fluorescent-based NTA for EVs isolated using ExoQuick (10 µg serum protein; left panel); UC with wash (1 µg serum protein; second panel from left); and a column-based method (1 µg serum protein; third panel). The far-right panel shows that ExoGlow-NTA-labeled liposomes produce consistent NTA measurements in both light- scattering and fluorescent detection modes.



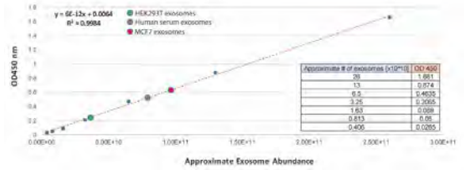
EXOELISA-ULTRA

FAST, ANTIBODY-BASED QUANTITATION.

An ultrasensitive direct-capture colorimetric ELISA for EV-associated CD9, CD63, or CD81.

SKU	NAME
EXEL-ULTRA-CD81-1	ExoELISA-ULTRA Complete Kit (CD81 detection)
EXEL-ULTRA-CD63-1	ExoELISA-ULTRA Complete Kit (CD63 detection)
EXEL-ULTRA-CD9-1	ExoELISA-ULTRA Complete Kit (CD9 detection)

The standard curve for ExoELISA-ULTRA CD81 shows robust linearity down to ~4 x 102 exosomes.



EXOCET

EV QUANTITATION IN AS LITTLE AS 20 MINUTES.

An enzymatic colorimetric approach for rapid EV quantitation.

SKU	NAME
EXOCET96A-1	EXOCET Exosome Quantitation Kit

	ExoELISA-ULTRA	EXOCET	FluoroCet
Use	Fast and sensitive antibody-based quantitation	Fast quantitation with moderate sample input	The most sensitive quantitation with very low sample input
Detection Method	Antibody	Enzymatic	Enzymatic
Quantitation chemistry	Enzymatic (HRP)	Colorimetric	Fluorescence
Protocol time	4 hours	20 min	60 min
Input sample amount	1-200 µg	50 µg	<1 µg

FLUOROCET

HIGH SENSITIVITY WITH LOW SAMPLE INPUT.

A fluorescence-based approach for experiments requiring greater sensitivity and very low sample input.

SKU	NAME
FCET96A-1	FluoroCet Exosome Quantitation Kit

	ExoELISA-ULTRA	EXOCET	FluoroCet
Method	Antibody / HRP	Colorimetric	Fluorescence
Time	4 hr	20 min	60 min
Input	1-200 µg	50 µg	<1 µg

5

VISUALIZATION

LABEL IT. FOLLOW IT. SEE WHERE IT GOES.

Fluorescent labeling makes it possible to track cells and extracellular vesicles across experimental systems, from in vitro imaging to whole-animal biodistribution studies. Visualize cellular behavior, EV uptake and localization, tissue accumulation, and delivery to better understand where cells and vesicles travel and how they interact with their environment.

IN VITRO

SEE EV UPTAKE AND LOCALIZATION.

ExoGlow

Unlike general-purpose labeling reagents, ExoGlow dyes improve your ability to track and localize EVs by specifically labeling EV mRNAs, proteins or membranes — choose the ExoGlow-RNA, -Protein, or -Membrane kit for exactly the cargo you want to track. These application-specific proprietary fluorescent dyes deliver a strong signal with very low levels of background.

IN VIVO

FOLLOW BIODISTRIBUTION OVER TIME.

ExoGlow-Vivo

ExoGlow-Vivo EV Labeling Kit (Near IR) is specifically designed to overcome in vivo imaging challenges by using a non-lipophilic dye. Delivering a level of specificity and sensitivity that takes the guesswork out of tracking EVs in vivo.

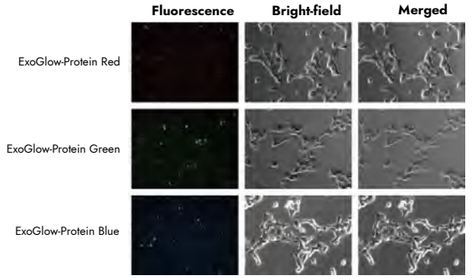
EXOGLOW

HIGH CLARITY. LOW BACKGROUND.

LEARN MORE ABOUT EXO-GLOW

ExoGlow-Protein, ExoGlow-RNA and ExoGlow-Membrane provide EV-specific labeling approaches for tracking and localizing vesicles and their components.

SKU	NAME
EXOGM600A-1	ExoGlowTM-Membrane EV Labeling Kit



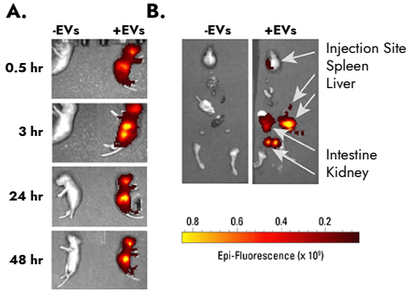
ExoGlow-Protein enables clear visualization of labeled EVs being internalized by target cells. We labeled HEK293T EVs with ExoGlow-Protein and followed uptake by HEK293T cells. The punctate fluorescence signal shows internalization of labeled EVs by the target cells.

EXOGLOW-VIVO

VISUALIZE AND TRACK EV MOVEMENT IN VIVO.

See where your EVs go. ExoGlow™-Vivo empowers researchers with clear, sensitive, and reproducible in vivo EV tracking, helping accelerate discoveries in extracellular vesicle biology, drug delivery, and translational medicine. By combining near-infrared imaging with exceptional labeling specificity, ExoGlow™-Vivo provides the confidence needed to move EV research from observation to insight.

SKU	NAME
EXOGV900A-1	ExoGlow™-Vivo EV Labeling Kit (Near IR)



ExoGlow-Vivo labeled EVs show robust signal in vivo. A. HEK293-derived EVs isolated using ExoQuick-TC were labeled with the ExoGlow-Vivo dye and administered intravenously via the superficial temporal vein into post-natal day-4 C57BL6 mice. Animals were imaged at various time points using IVIS® In Vivo Imaging System (PerkinElmer). B. Dissection after 24-hours shows the preferential accumulation of labeled EVs in the liver and kidneys. Data courtesy of Gareth Willis, PhD., Harvard Medical School and Boston Children's Hospital.

6

ENGINEERING

DON'T JUST STUDY EVs. DESIGN THEM.

EVs naturally transport biologically active cargo between cells. CellBio Scientific's engineering portfolio provides tools to load EVs with selected molecules, package RNA or proteins during EV production, and modify EV surfaces to influence interaction with specific cell types.

CARGO

DEFINE WHAT EVS CARRY

EXO-FECT | XMIR | XPACK | Purified Exosomes

Load isolated exosomes with siRNA, miRNA, mRNA, plasmid DNA, or small molecules in under one hour, or develop producer cell lines engineered to package selected proteins or nucleic acids into exosomes. Purified exosomes and producer cell lines are also available to support cargo-loading and downstream studies.

TARGETING

CONTROL WHERE THEY INTERACT.

XSTAMP

Direct your Exosome to its target by expressing tissue-specific ligands on the surface. Engineer tissue-specific exosomes—clone-in your own targeting ligand for customized specificity using the XStamp cloning and expression lentivector. Prefer an off-the-shelf option? Pre-targeted XStamp kits are also available for GI, neural, brain, cancer, and immune-cell applications.

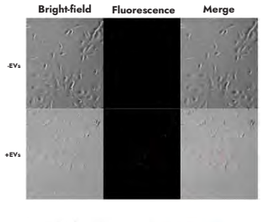
EXO-FECT

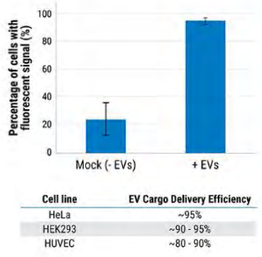
LOAD EVs WITH SELECTED CARGO.

LEARN MORE ABOUT EXO-Fect

Exo-Fect enables direct loading of EVs with siRNA, microRNA, mRNA, plasmid DNA and small molecules.

SKU	NAME
EXFT200A-1	Exo-Fect™ siRNA/miRNA Transfection Kit





Cell line	EV Cargo Delivery Efficiency
HeLa	~95%
HEK293	~90 - 95%
HUVEC	~80 - 90%

Exo-Fect siRNA/miRNA Transfection Reagent efficiently loads siRNA into EVs. (Left figure) Cy3-labeled control siRNA were loaded into EVs, delivered to primary HUVECs, and cells imaged 36-48 hours post transfection. Shown are the bright-field images (left panels), fluorescence images (middle panels), and merged images (right panels). The top row of images are cells minus EVs. The bottom row shows cells treated with EVs that were loaded with Cy3-labeled siRNA. EV treatment results in the transfer of Cy3-labeled siRNA to most of the imaged cells (bottom row). The negligible fluorescence seen in the minus EV treated cells (top row) is due to the minute traces of labeled siRNA that escaped the clean-up step. (Middle figure) Quantitation of the EV cargo delivery efficiency shown in (A). (Far-right table) EV transfection is highly robust with loaded EVs efficiently transferring cargo to a range of different cell types.

XMIR / AXMIR

PACKAGE miRNA INTO EVs.

XMotif-tagged miRNAs or lentivectors are introduced into EV-producing cells. Secreted EVs become enriched for the selected sense or antisense miRNA for delivery into recipient cells.

XPACK

PACKAGE PROTEINS INTO EVs.

XPack uses an optimized peptide sequence to target proteins to the interior exosomal membrane, allowing fusion proteins to be packaged into secreted EVs.

SKU	NAME
XPAK710PA-1	XPack MSCV-XP-MCS-EF1[]-Puro Cloning Lentivector

XSTAMP

TARGET EVs TO SPECIFIC CELL TYPES.

XStamp places tissue-specific ligands on the EV surface to promote interaction with selected target cells.

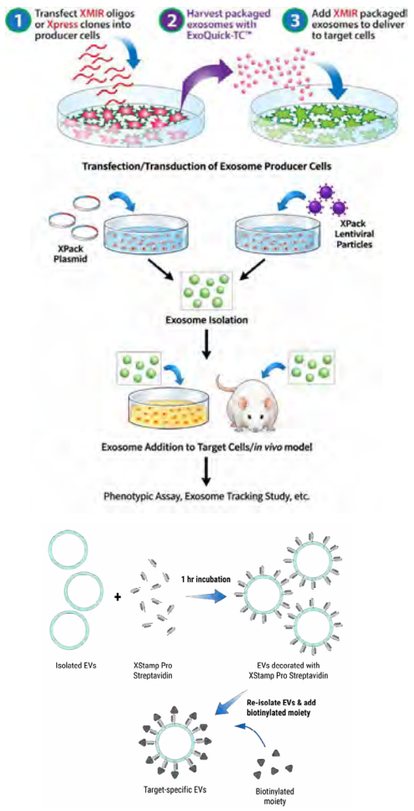
TARGETING EXAMPLES NCAM - Neural · HER2 - Breast cancer · EGFR - Cancer · Homing peptides - Brain / BBB · IL-2 - Immune cells · Motilin - GI tract

SKU	NAME
XSTP900A-1	XStamp™ Pro Streptavidin Customizable EV Targeting Kit

PURIFIED EXOSOMES

READY-TO-USE EVs FOR ENGINEERING AND CONTROLS.

XMotif-tagged miRNAs or lentivectors are introduced into EV-producing cells. Secreted EVs become enriched for the selected sense or antisense miRNA for delivery into recipient cells.



Upon incubation with isolated EVs, the XStamp Pro Streptavidin self-inserts into EV membranes creating your streptavidin-decorated EVs. Incubation is complete in 1 hour, after which the decorated EVs can be isolated using the included ExoQuick-TC reagent or method of your choice, and then given target specificity through the addition of a biotinylated targeting moiety. Once the targeting specificity has been programmed in, the EVs are ready to deliver cargo.

7

DISCOVERY SERVICES

EV CHARACTERIZATION AND PROFILING SERVICES

Leverage the expertise we have under-one-roof to accelerate workflows and streamline project management. We produce & characterize EVs to deliver the data that informs decision making. Our specialization in handling EVs means we understand the challenges of working with them. You can focus on what you do best while we deliver the data that helps you to advance your Discovery program.

EV ISOLATION AND ENGINEERING

EVS PREPARED FOR YOUR STUDY

We isolate EVs from selected biofluids or cell types and engineer them to meet defined study requirements. Receive purified EVs for your own research or move directly into CellBio Scientific's characterization services.

RNA CHARACTERIZATION

FROM EV RNA PROFILES TO BIOLOGICAL INSIGHT

Go beyond raw sequencing data with processed results and expert interpretation. Our scientists help you evaluate EV RNA profiles, identify meaningful findings, and connect the data to your research question.

PROTEOMICS

RESOLVE MEANINGFUL PROTEIN SIGNALS

With all the proteins that are a part of (or come along with) EVs, the proteomic analysis can be complicated. Our understanding of that complexity ensures getting solid data on your target is not hit or miss endeavor

LIPIDOMICS

THERE'S TWO SIDES TO EVERY BILAYER

EV-derived lipids are low-input and easy to degrade/lose during extraction. We are focused and specialized in handling this delicate work.

EV ISOLATION and ENGINEERING

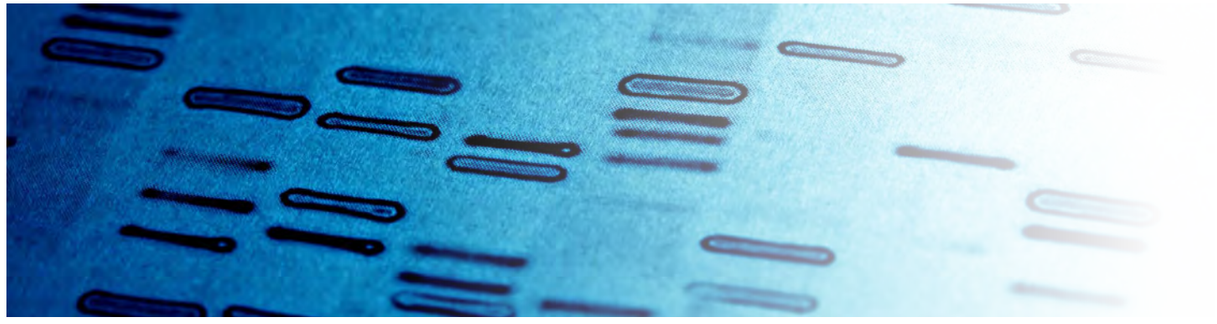
YOU SPECIFY THE CELL LINE or BIOFLUID ALONG WITH THE CUSTOMIZATION



Isolate and engineer EVs from selected biofluids or cell lines at the scale required for your study. Services can include customized EV production, labeling, targeting, and cargo loading, with purified EVs delivered directly or advanced into characterization.

RNA CHARACTERIZATION

RNASeq ANALYSIS AND INTERPRITIVE DATA REPORTS



CellBio Scientific's delivers a customized NGS RNA-Seq services can accelerate your biomarker discovery and profiling. We routinely generate high-quality RNA libraries from as little 1 ng of total RNA, which is unparalleled given the challenges of obtaining high-quality RNA from exosomes.

PROTEOMICS

LC-MS/MS CAN BE COMBINED WITH WESTERN BLOT, ELISA, AND CUSTOM ANTIBODY ARRAYS



Includes both EV total and surface protein profiling. Libraries are prepared using cleavage for MASCOT compatibility and the deliverables include a full Protocol Report, raw MS spectra data and pre-analyzed data in Scaffold format.

LIPIDOMICS

LC-MS/MS – HIGH MASS ACCURACY FOR CONFIDENT LIPID IDENTIFICATION



Identify and profile EV lipids using high-mass-accuracy LC-MS/MS. Deliverables include a complete protocol report, raw mass spectrometry data, and pre-analyzed results with interpretive reporting.



CELLBIO SCIENTIFIC

Advancing Discovery. Enhancing Life.

39600 Eureka Drive
Newark, CA 94560

www.CellBioScientific.com