

Exosomes

Exosome Research & Liquid Biopsy Analysis

Exosomes are being studied for their role in basic biological processes as well as for their use as biomarkers and even as engineered tools for therapeutic delivery. They function as signal carriers and tissue reshapers through their cargo of RNA, proteins and lipids, and are involved in a wide range of healthy and pathogenic processes including cancer, inflammation, immunity, CNS function and cardiac cell function.

A full spectrum of tools for exosome isolation, detection, quantitation and engineering as well as kits and services for biomarker discovery by next generation sequencing, mass spectrometry and lipidomics are offered.

Circulating biomarkers are useful screening tools because of the ease and relatively non-invasive nature of their collection. Kits for the enrichment and purification of circulating cell-free DNA and circulating cell-free RNA as well as exosomal RNA for biomarker discovery in liquid biopsies are provided.

Exosome Research

- Exosome Isolation
- Exosome Detection
- Exosome Quantitation
- Exosome Engineering
- Biomarker Discovery
- NGS, MS and Lipidomics Services

Liquid Biopsy Analysis

- Circulating cell-free DNA Purification
- Circulating cell-free RNA Purification
- Exosomal DNA and RNA Purification

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