

Highly characterized, high purity exosome standards

Life science specialists – AMSBIO offer an extensive range of highly characterized, high purity exosomes for use as control standards in applications including marker assessment, immunocapture performance evaluation, exosome quantification, OMICS analysis, flow cytometry and electron microscopy.

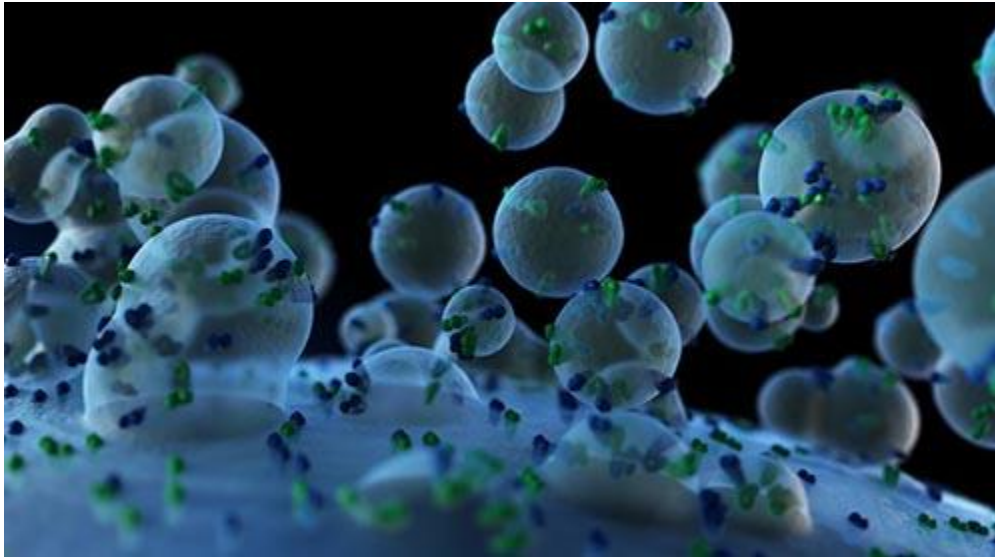


Image Caption: Highly characterized, high purity exosome standards
(courtesy: AMSBIO)

Exosomes

or extracellular vesicles (EV) are small endosome derived lipid nanoparticles (50-300nm in diameter), actively secreted by exocytosis in most living cells. Exosomes have been shown to have pleiotropic physiological and pathological functions and play significant roles in diverse conditions such as cancer, infectious and neurodegenerative diseases.

Benefiting

from an exceptionally large cell bank built up over several decades, AMSBIO is in a unique position to offer researchers an unmatched range of exosomes from a wide variety of biological sources, including cell culture supernatant, human plasma, serum, and urine. All exosomes supplied by AMSBIO are supplied lyophilized meaning they are easy to ship, store for up to 36 months (+4° to 8°C) and reconstitute.

Smaller diameter exosomes

are supplied highly purified using a combination of tangential flow filtration (TFF) and size exclusion chromatography (SEC). Exosomes larger than 150 nm diameter are purified using tangential flow filtration (TFF). All AMSBIO isolated exosome standards are then quantified and validated for overall protein content, size distribution, concentration, and specific marker expression by Nanoparticles Tracking Analysis. This unique combination of high purity and comprehensive marker characterization delivers exceptionally reliable research results. To track



the distribution and movement of specific exosome standards, AMSBIO also offers fluorescent labeling.

For further information

on highly characterized, high purity exosome standards, and our custom exosome service, please visit <https://www.amsbio.com/exosomes-standards> or contact AMSBIO on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / info@amsbio.com.

AMS Biotechnology (AMSBIO)

Founded in 1987, AMS Biotechnology (AMSBIO) is recognized today as a leading transatlantic company contributing to the acceleration of discovery through the provision of cutting-edge life science technology, products and services for research and development in the medical, nutrition, cosmetics, and energy industries. AMSBIO has in-depth expertise in extracellular matrices to provide elegant solutions for studying cell motility, migration, invasion, and proliferation. This expertise in cell culture and the ECM allows AMSBIO to partner with clients in tailoring cell systems to enhance organoid and spheroid screening outcomes using a variety of 3D culture systems, including organ-on-a-chip microfluidics. For drug discovery research, AMSBIO offers assays, recombinant proteins, and cell lines. Drawing upon a huge and comprehensive biorepository, AMSBIO is widely recognized as a leading provider of high-quality tissue specimens (including custom procurement) from both human and animal tissues. The company provides unique clinical grade products for stem cell and cell therapy applications. This includes GMP cryopreservation technology, and high-quality solutions for viral delivery (lentivirus, adenovirus, and adeno-associated virus).

Worldwide HQ

AMS Biotechnology (AMSBIO)

184 Milton Park
Abingdon
Oxon OX14 4SE
UK

Tel: +44-1235-828200
Fax: +44-1235-820482
Email: info@amsbio.com
Web www.amsbio.com