



## PRESS ANNOUNCEMENT

### Isolation of High Purity Exosomes

**AMSBIO** is a leading supplier of **high purity exosomes** using **isolation methods** including traditional differential and gradient ultracentrifugation, immunoaffinity, size exclusion chromatography as well as precipitation / low speed centrifugation.

### Exosomes

are small endosome derived lipid nanoparticles actively secreted by exocytosis in most living cells. Release of exosomes occurs either constitutively or upon induction, under both normal and pathological conditions, in a dynamic, regulated and functionally relevant manner. Isolated from diverse cell lines, Exosomes have been shown to have pleiotropic physiological and pathological functions and play significant roles in diverse pathological conditions such as cancer, infectious and neurodegenerative diseases.

Drawing upon many years' experience - AMSBIO offers a range of **tailored services for exosome isolation and characterization.**

AMSBIO | [www.amsbio.com](http://www.amsbio.com) | [info@amsbio.com](mailto:info@amsbio.com)



**UK & Rest of the World**  
184 Park Drive, Milton Park  
Abingdon OX14 4SE, U.K.  
T: +44 (0) 1235 828 200  
F: +44 (0) 1235 820 482



**North America**  
1035 Cambridge Street,  
Cambridge, MA 02141.  
T: +1 (617) 945-5033 or  
T: +1 (800) 987-0985  
F: +1 (617) 945-8218



**Germany**  
Bockenheimer Landstr. 17/19  
60325 Frankfurt/Main  
T: +49 (0) 69 779099  
F: +49 (0) 69 13376880



**Switzerland**  
Via Lisano 3  
(CP.683)  
6900 Massagno  
T: +41 (0) 91 604 55 22  
F: +41 (0) 91 605 17 85

## For labs

requiring isolation and sequencing of exosome miRNA isolation, AMSBIO offers a service to extract RNA from exosomes, and subject it to RNA-Sequencing using an Illumina platform. In addition to basic analysis being performed on the raw data, screening for specific miRNA can also be performed. AMSBIO also offers analysis of exosome surface proteins using MACSPlex kit.

## AMSBIO also offers

a top-quality service that provides reliable and reproducible isolation of exosomes from almost any biofluid ranging from plasma and tissue culture media to cerebrospinal fluid. Using this service, your target exosomes are isolated by ultracentrifugation before quantification and quality assessment using a NanoDrop spectrophotometer.

## For further information

on custom services for high purity exosome isolation please visit

<https://www.amsbio.com/exosome-research-services/> or contact AMSBIO on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / [info@amsbio.com](mailto:info@amsbio.com).

## 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 recognised 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

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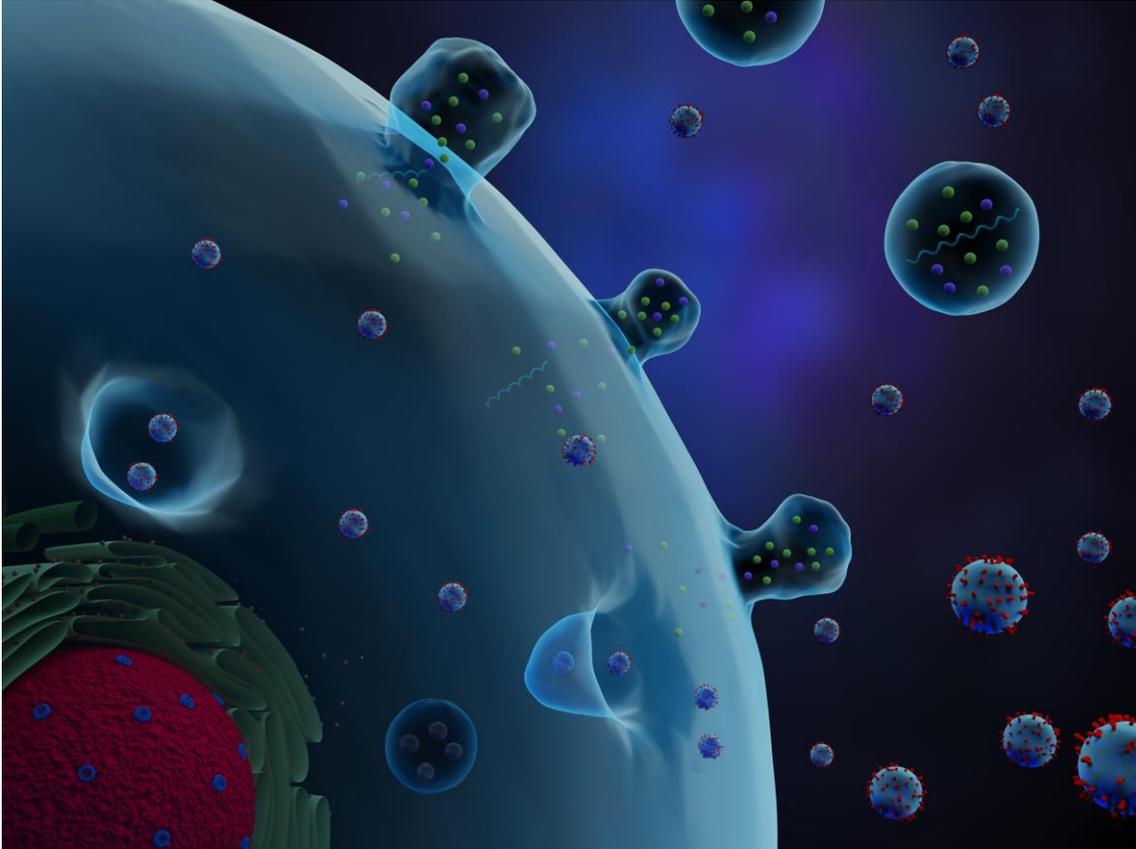
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GMP cryopreservation technology, and high-quality solutions for viral delivery (lentivirus, adenovirus, and adeno-associated virus).

**Illustrative image** : (available on request)



Caption: High purity exosome isolation services

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**amsbiopr313**

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F: +41 (0) 91 605 17 85

For further Information:

MEDIA: Dr Bill Bradbury Primetek Solutions tel. +44-208-546-0869 / email [info@primetek-solutions.com](mailto:info@primetek-solutions.com)  
TECHNICAL: Dr Maja Petkovic AMSBIO tel. +44-1235-828200 / email [info@amsbio.com](mailto:info@amsbio.com)

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