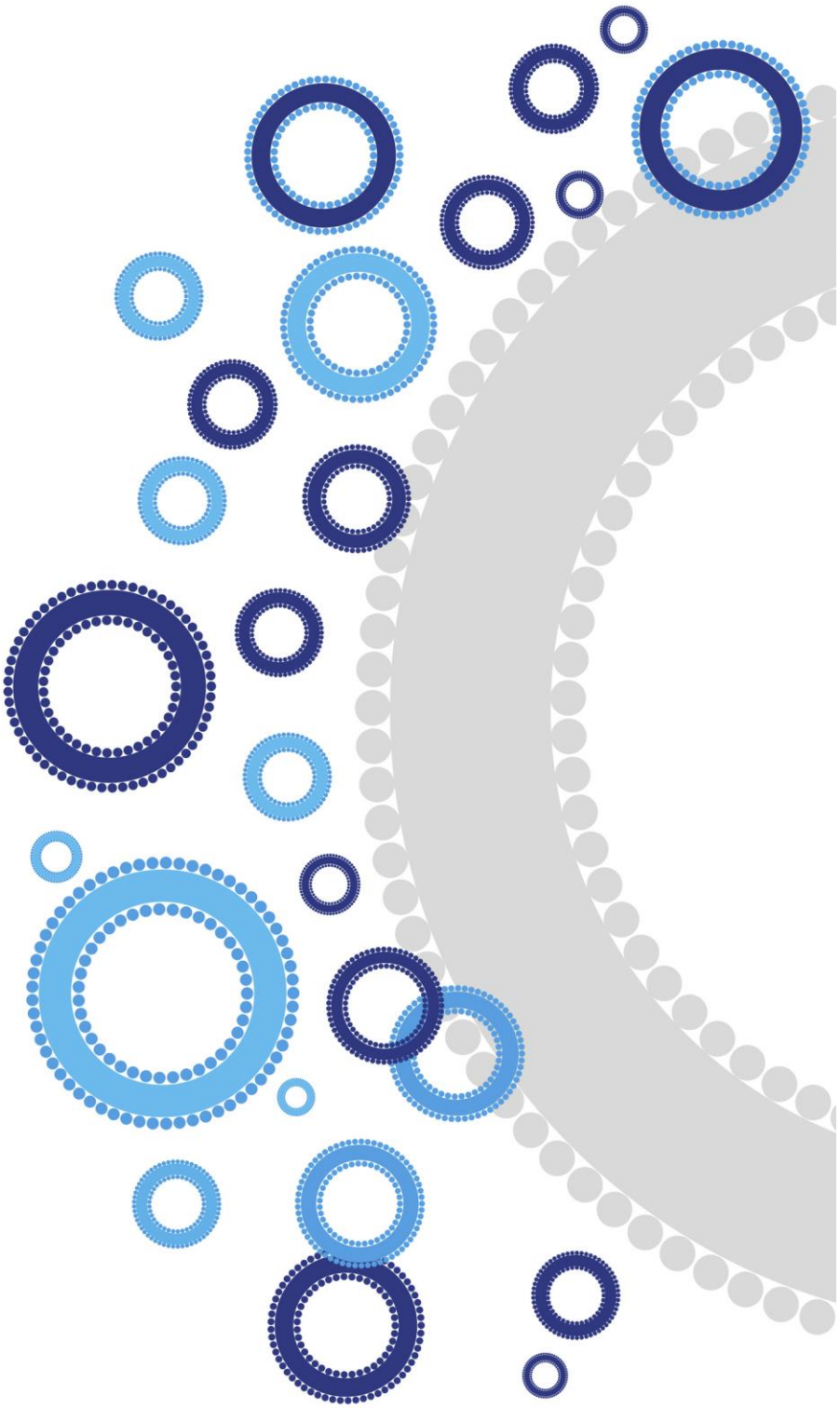
CELL guidance systems

Frequently Asked Questions (FAQs)

EV Service



EV Service

Cell Guidance Systems, a pioneer in the extracellular vesicle (EV) field with over 10 years of experience, offers a range of isolation and analysis services for exosomes and other EVs.

FAQs – Introduction

- **What is included in the service**

We offer two distinct service packages, **Basic** and **MISEV**. Each package has been developed to offer a robust method for the isolation and characterization of extracellular vesicles (EVs). The extensive panel of analytical methods available are listed below:

- Isolation Of EVs Via a Combination of Precipitation and Size Exclusion Chromatography (SEC)
- Protein Quantification Assay (BCA)
- Nanoparticle Tracking Analysis (NTA)
- Protein Marker Expression Via Western Blotting (CD9, CD63, CD81)
- Lipid Quantitation Assay
- Exosome Biomarker Detection Assay – ExoLISA™ (time-resolved fluorescence)
- Transmission Electron Microscopy (TEM) (Optional)
- Freeze-Drying Of EVs (Optional)

The **Basic** package includes:

- Isolation of EVs
- Protein Quantitation
- Nanoparticle Tracking Analysis (NTA)

The **MISEV** package includes:

- Isolation of EVs
- Protein Quantitation
- Nanoparticle Tracking Analysis (NTA)
- Protein Marker Expression Via Western Blotting
- Lipid Quantitation Assay
- Exosome Biomarker Specific ELISA Assay (ExoLISA)

Additionally, any of these assays/services can be ordered individually or in groups, depending on your requirements.

Contact us at info@cellgs.com for more information.

FAQs – EV Service

- **Who is the service aimed at?**

The EV service has been developed for both new and existing researchers in the field of EVs. Whether you are just getting started and looking for robust characterization of your EVs or need to scale up isolation of EVs and ensure you have publication ready validation data, the EV service can meet your requirements.

- **How will I receive my reports?**

The reports are sent out to you directly, along with the raw data for your analyses. The report is provided in an easy-to-read PDF format, with images and data provided for each sample.

- **What if I do not fully understand the data?**

Our team are here to support you throughout the service process. If there is something you are unsure of or need help understanding, our team can assist you,

- **Do you provide protocols with the reports?**

Yes, the reports are designed to provide publication ready data and documentation. Each assay will include a full protocol within the report, to assist with your method writing, should it be needed.

- **How long does it take to receive my report?**

Cell Guidance Systems follows a strict process for EV service projects. The scope of those projects determines the timeline from receiving the samples to the generated report. Typically, projects can take 1–2 weeks from sample receipt.

- **How much of my sample do I need to send?**

Depending on the service package, the total volume of starting material or purified EVs will vary. For the Basic service, a minimum of 10mL is required for the isolation and further characterization of EVs from the starting material.

The MISEV package will also need a minimum of 10mL starting material. This is typically conditioned cell culture media. A maximum of 1000mL cell culture media can be processed per sample

We also accept plasma and serum samples. A minimum of 0.1mL and a maximum of 10mL of plasma or serum can be processed per sample. Please contact us at info@cellgs.com to discuss your sample type before submission.
For already purified EVs, we would require a minimum of 10^9 particles (recommended), to ensure sufficient material for all downstream analyses. Volume will vary depending on concentration – please contact us if unsure.

Of course, any volume of material can be shipped to our facility for processing, depending on your requirements, just get in touch at *info@cellgs.com.*

- **I would like my EVs back following the service, is this possible?**

Yes, we provide an optional add-on service of freeze-drying your EVs prior to shipping them back to you. Freeze-drying is an established and studied technique to preserve the structure and bioactivity of EVs. It also doesn't require dry ice for shipment, making it much more straightforward.

If necessary, we can also ship your EVs back to you with dry ice.

- **What if my samples do not yield EVs or sufficient data for the report?**

However unlikely, in some rare instances a sample provided for the service may not yield enough EVs for downstream analysis. In this case, this would be communicated at the point of analysis – to ensure you are made aware and to work out a solution. It may be that a larger amount of sample is required and the project should be postponed.

Cell Guidance Systems' reagents and services enable control, manipulation and monitoring of the cell, both *in vitro* and *in vivo*

Growth Factors
- Recombinant
- PODS® Sustained Release

Exosomes
- Purification
- Detection
- Purified Exosomes
- NTA Service
- EV Services

Other research products and services
- Matrix Proteins
- Small Molecules
- Cell Counting Reagent
- Lipid Quantification Assay

Cytogenetics
- Karyotype Analysis
- Array

General info@cellgs.com
Technical Enquiries tech@cellgs.com
Orders order@cellgs.com

www.cellgs.com

EUROPE
Cell Guidance Systems Ltd
Maia Building
Babraham Bioscience Campus
Cambridge
CB22 3AT
United Kingdom
T +44 (0) 1223 967316
F +44 (0) 1223 750186

USA
Cell Guidance Systems LLC
Helix Center
1100 Corporate Square Drive
St. Louis
MO 63132
USA
T 760 450 4304
F 314 485 5424