ORIA

FROM CELLS TO ORGANELLES

Ready-to-use functional ORGANELLES•

De-risk and accelerate your Drug Discovery

Reduced early-stage R&D risks

Faster Go/no-Go decisions

Higher ROI through candidate selection

Cost and time reduction

ORIA brings **efficacy** for more accurate Hit-To-Lead and Lead optimization testing, enhancing safer decision-making.

Leveraging organelle science and advanced microfluidics, **ORIA** provides organelle-based solutions that are:

Reliable
Physiological relevant, consistent, reproducible

Compatible
Easy integration into your current discovery workflows

Worldwide
Storable, available at scale, worldwide shipping

Pure preparations of isolated **lysosomes**, **mitochondria**, **ER**

ORGANELLES-Preps™

Customized organelles made from the cell type of your choice, tailored to your therapeutic area

High Quality
>90% purity,
Full integrity,
Validated functionality

Ready-to-use
Plug-&-play process,
1-hour assay,
>30 days frozen storage

Industrial Scale
Millions organelles/vial,
HTS assays compatible

Interested in testing ORIA's organelles in your assays?

oriabs.com

contact@oriabs.com

ORIA

FROM CELLS TO ORGANELLES

Ready-to-use functional ORGANELLES
for reliable experimental results in Drug Discovery

Pure organelles delivered at scale, designed and customizable for any therapeutic area, compatible with standard HTS assays

From current limitations to ORIA's solution

- ⊗ Manual, low-yield workflows
- ⊗ Inconsistent data
- ⊗ Legacy cellular models
- ⊗ Time-intensive protocols

→

- ✓ Standardized, high-throughput production
- ✓ >90% purity and batch-to-batch reproducibility
- ✓ High physiological native relevance
- ✓ Ready-to-assay: < 1 hours

With ORIA's **patented microfluidic process**, organelles are isolated through a controlled, gentle mechanical extraction and sorting workflow

Isolated **lysosomes** preparations, designed for your therapeutic area

LYSO-Prep™

COMING SOON

MITO-Prep™
isolated mitochondria

RETI-Prep™
isolated ER

Cell types
HEKs
PBMCs
hiPSCs
Neurons
Cardiomyocytes
...

Therapeutic Areas
Neurodenerative disorders
Metabolic diseases
Oncology
Cardiology
Immunology

Applications
Electrophysiology (APC, SSME)
HTS assays
(enzymatic activity, Ca^{2+} flux, ...)
High-content imaging
Binding affinity
Lipidomics / Proteomics

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