



tebubio

Facilitators of Life Sciences Research

# Solutions for mRNA Delivery, Cellular Expression, Control & Analysis

Preclinical Research Phase

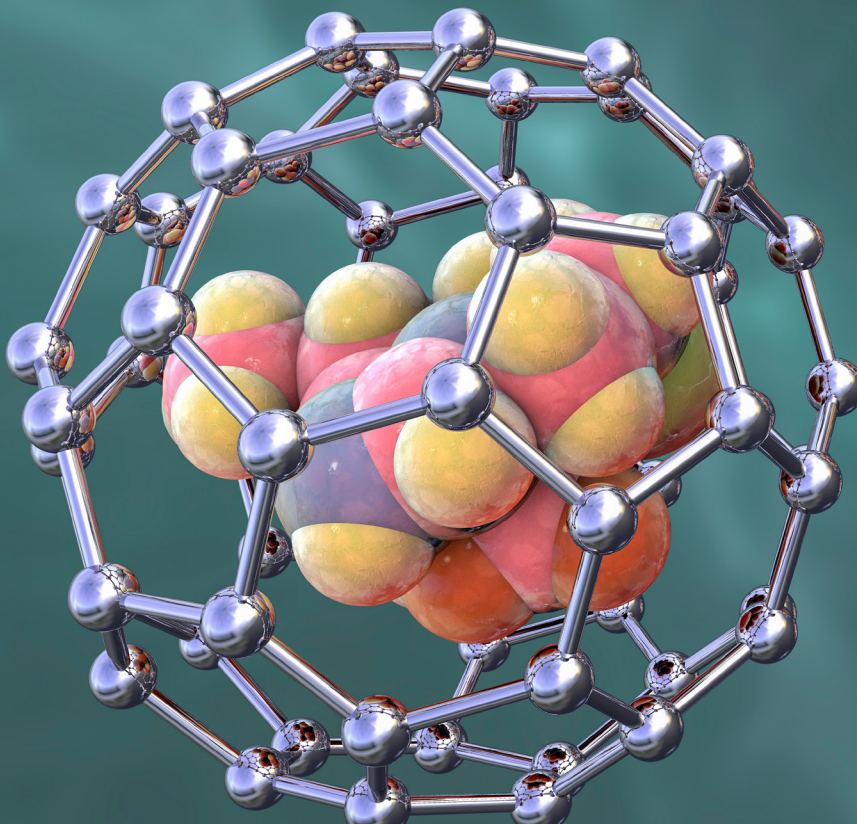
Clinical Phase

mRNA  $\mu$ -scale  
production

mRNA Delivery

Cellular Expression,  
Control & Analysis

GMP Phase



## [mRNA Delivery & Transfection Controls]

### ■ Optimize your mRNA delivery & Control your transfection

#### Transfection reagents for Proof-of-Concept Studies

Ready-to-use Cationic Lipopolymer reagents, for efficient mRNA transfection

Off-the-shelf Transfection Reagents, with low cytotoxicity, In-vitro & in-vivo optimised



#### Lipid solutions for Therapeutics Perspectives

Ready-to-use LNP formulation kits for mRNA formulation & delivery studies

Fully-custom LNP formulation with lipids (Ionizable & PEGylated lipids, Cholesterol, Neutral Phospholipids)

Rely on the Gold standard since 2021 to control your mRNA transfection, thanks to:

- eGFP
- FLuc
- mCherry
- Ovalbumine

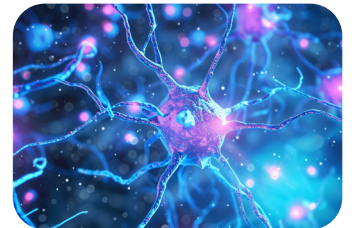
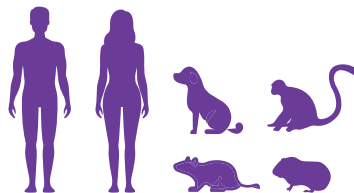


## [Cellular Expression]

### ■ Get fast and effortless access to Cellular Models

#### Primary Cells

Hepatocytes  
Epidermal keratinocytes  
Pancreatic islets  
Peripheral Blood Mononuclear Cells  
CAR-T Cells



- ✓ Healthy or diseased donors, sourced from reputed ethically-responsible suppliers, with specific selection criteria
- ✓ Readily available or customised to your needs with personalised support from our Scientific Team, from sample sourcing to delivery
- ✓ Significant time savings (ABS/HBS import permits & relevant certificates)

#### iPSC & Stem Cells

Cryopreserved CD34+ Hematopoietic Stem Cells  
Human Bone Marrow derived Mesenchymal Stem  
Human iPSC-derived glutamatergic neurons  
Human iPSC-derived melanocytes

#### Cell lines

Luciferase Reporter cell lines - Immunotherapy, CAR-T, kinase, metabolic enzymes  
Melanoma cell lines  
Neuronal-type cells - Human & Animal  
CRISPR stable cell lines  
Hepatic organoids

[Analysis]

## ■ Outsource your Quality Control & Read-Out to our Contract Research Services team

Rely on our Contract Research Services team long-standing experience, routine practice and equipment, to perform your mRNA analysis.

We deliver consistent batch-to-batch results using reproducible techniques with limited consumption of your valuable samples.

### How can we facilitate your work ?

Benefit from our Cell Culture platform:

- Evaluate the efficiency of your delivery system using gold standard control RNA and transfection reagents.
- Check the expression of your target RNA and perform functional studies in your relevant cellular model

Take advantage of our Biomarker and Biostatistics platform

- Analyze the cellular response to your target RNA

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## Accelerate your Therapeutic Research with Tebubio mRNA and encapsulation platform

Our Contract Research Services team is your single partner to support you in your mRNA project from A to Z :

- **µ-scale production of research-grade mRNA** in as little as 5 days and as many as 200 sequences in parallel
- Work on the **best delivery mechanism**
- Screening & selecting the best candidates by managing the **cellular expression and control the transfection**
- Analyse the **immunity response, the secretome and therapeutic efficacy**
- Support your **scale up** and **GMP phase**

### What we provide

- You work with an **mRNA-experienced project manager** (PhD) who will address your project from A to Z. At Tebubio, we have completed **more than 200 projects** over the last 3 years.
- Your mRNA production is **100% handled in Europe**.



## We are Tebubio, The Facilitators of Life Sciences Research

We facilitate Life Sciences Research everyday, contributing to advance Science for a brighter future. Through our local offices located across Europe, we support Life Sciences and Biotechnology Researchers with a unique, holistic range of solutions to advance their projects faster.

With Tebubio, concentrate your efforts and accelerate what's most important to you: Your Research.



Contact one of our local offices nearby you



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