

Specialized CDMO for the manufacture of formulated RNA at research, clinical and commercial scale

RNA | LNP | F&F | QC

Who we are

Exothera's RNA division is a specialized CDMO partner delivering preclinical and clinical process development, manufacturing optimization and CMC support for RNA based therapeutics and vaccines.

We assist clients from start to scale, up to commercial manufacturing, including analytical testing and regulatory consultation.

Thanks to our optimal technologies and experienced team, we help bring innovative therapies from bench to patient with quality, at speed and cost-effectively.

Our RNA technologies

Get faster to tox and GMP, without compromising on quality. We are the only CDMO with access to the Quantoom Biosciences Ntensify® platform, the world's first continuous-batch RNA manufacturing platform.

Choosing Exothera for your RNA project, means choosing one optimized manufacturing process for R&D as well as for GMP, removing the need for process development or scale-up.

Looking for a ready-to-go RNA manufacturing platform with integrated scale-up?

Standardized process

State-of-the-art equipment that automates process step operations for high scalability (continuous-batch process)

One step purification

Silica-based Magnetic Capture for binding, washing and elution.

Reagent pre-mixes

that are ready to use, minimizing process development time and cost

Scale out

Instead of scale-up, eliminating the need and risk of process development at each volume increase

At Exothera, we have the Ntensify® platform that brings you

From R&D ...

... to GMP



Ntensify Micro

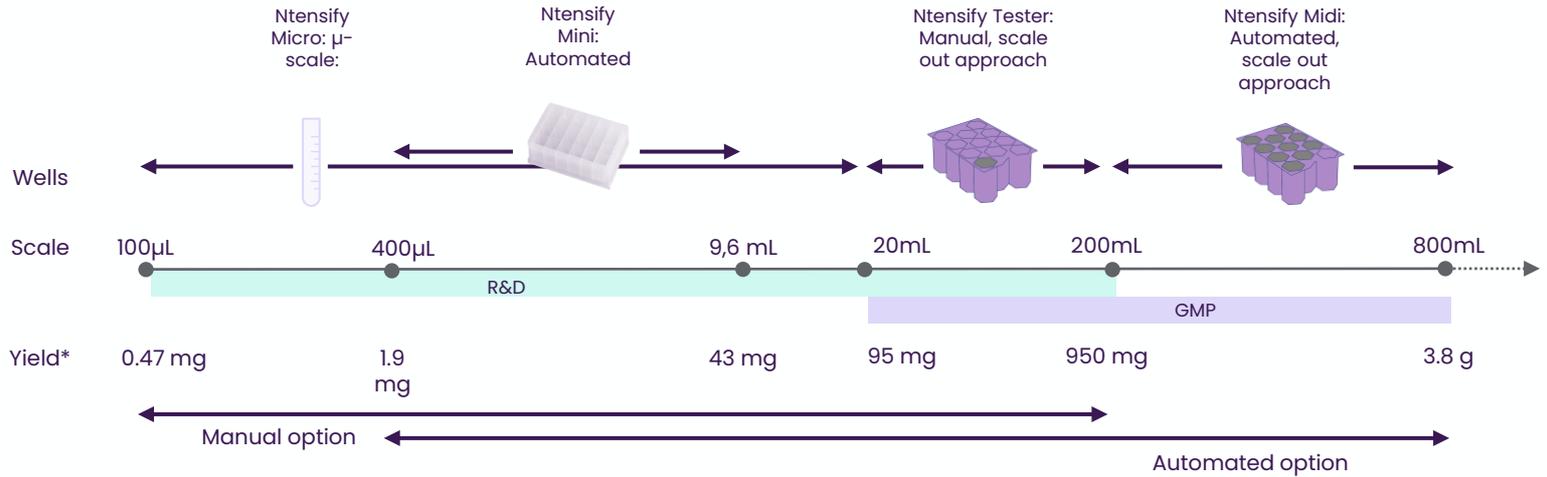


Ntensify Mini



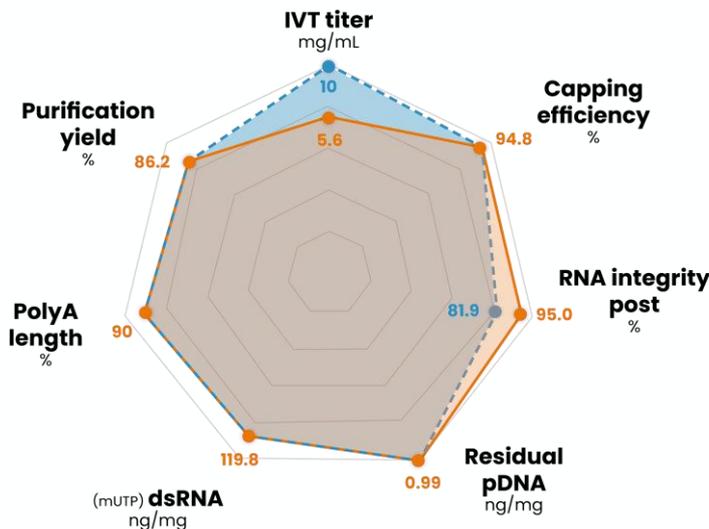
Ntensify Midi

Our standardized manufacturing process allows for a flexible scale-out, ensuring a consistent yield and quality at any volume



Average performances of Ntensify® process

Related to process parameters and RNA quality attributes



Endotoxin levels below level of detection (0.01 EU/mg)

- Number of reactions: > 2000
- Number of constructs: 100+
- mRNA Construct size from 1 to 4kb
- saRNA Construct size from 8 to 12 kb

(tested and confirmed by Quantum Biosciences)

Quality control

Offering a wide range of ready to use assays, of which around 90% are performed in-house.

Custom solutions for DNA, LNP and Fill & Finish

Starting from your sequence we manage the integration into a plasmid which is then optimized for the use of mRNA production. At the end of mRNA production, we offer different solutions for LNP and Fill & Finish.

Our Facilities

In the heart of Europe, our state-of-the-art facilities are dedicated to the development and GMP manufacturing of viral vectors and nucleic acids for the production of life-changing therapies.

