

# Unleashing the Potential of Messenger RNA (mRNA)

BioCina offers highest quality mRNA development and clinical and commercial manufacturing services.

## mRNA Offerings

Our expert mRNA team brings deep experience to every step of your program, from development through production.

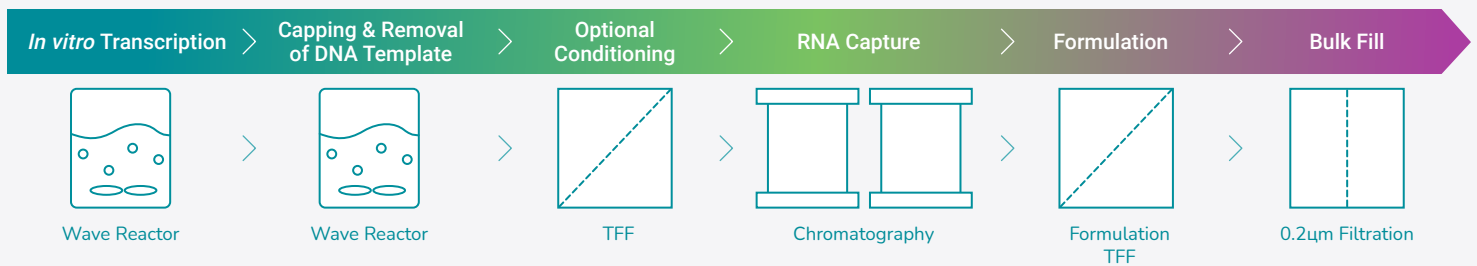
We provide bespoke solutions to fit our client's specific needs, from pre-clinical development through commercial manufacturing.

We can perform more than 95% of testing in-house, which reduces the time and cost of our programs.

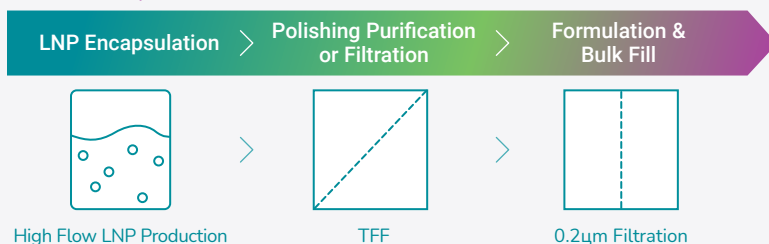
At our state-of-the-art cGMP facility, we meet the highest global regulatory standards, including US FDA and EMA.

## RNA Manufacturing Process

### mRNA Synthesis and Purification



### mRNA Encapsulation & Formulation



## RNA Development and Manufacturing Scales

Equipment	Working Volume	Scale	RNA Yield
25 L Wave Reactor	0.1 — 1 L	Process Development	Up to 6g
	0.35 — 5 L	Scale-Up / At Scale	Up to 30g