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Contect U

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Our streamlined plasmid & mRNA CDMO services enables single-source solution to advance your molecule from concept to market from ONE site. The choice of ONE powerhouse guarantees in-time milestone completion, reliable budget control and robust regulatory strategy.



Plasmid Production

- Robust & scalable process development platform
- Fermentation scale options of 15L & 50L
- Significant expansion potential of 7 cGMP lines



Plasmid Purification

- Cell Lysis
- Classic 3-step chromatography
- Advanced 2-step chromatography
- Ultrafiltration



mRNA Synthesis

- In vitro transcription (IVT)
- Options of co-transcriptional capping and enzyme capping
- Flexible IVT scale options up to 5L



Plasmid Linearization

- Enzyme digestion
- Ultrafiltration



mRNA Purification

- Oligo-dT chromatography
- Tangential flow filtration (TFF)
- UF/DF



Encapsulation & LNP Formulation

- Process development
- Formulation development
- Encapsulation scale up to 100L



Aseptic Fill-Finish

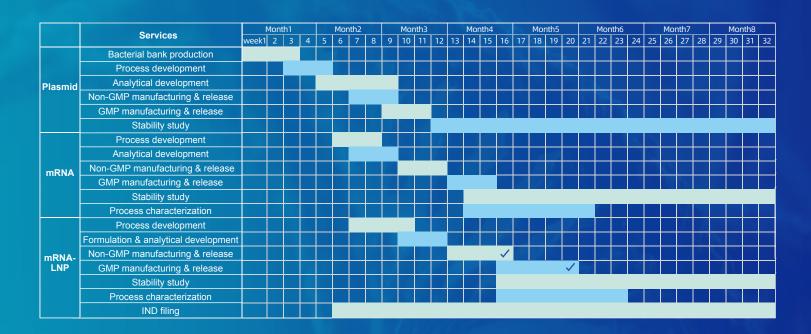
- Filling: 12,000 vph max speed (2R to 20R)
- Frozen storage



LNP Purification

- Tangential flow filtration (TFF)
- Diafiltration

AsymBio advances your molecules faster through the journey to IND.



The right quality attributes unlock the success of your mRNA.

Plasmid	mRNA DS	
Appearance	Appearance	% Capping
рН	На	Poly A distribution
Concentration		
A260/280	mRNA concentration	mRNA Transfection efficier
DNA sequence	A260/280	mRNA expression
Restriction enzyme profile		Endotoxin
HCP	Purity	
HCD	mRNA sequence integrity	Sterility
HCR	mRNA length	DNA template residual dsRNA residual
Supercoiled ratio		
Endotoxin	mRNA sequence accuracy	
Sterility	Residual protease	

mRNA-LNP DP		
Appearance	mRNA sequence identification	
Visible foreign body	LNP size	
Insoluble particles	PDI	
Penetration pressure	Zeta potential	
Extractable volume	DSC	
mRNA sequence integrity	SEC-MALS	
mRNA concentration	NTA	
mRNA encapsulation rate	Morphological analysis of liposome	
Liposome content/identification	Potency/in vitro expression	
Lipid impurity	Endotoxin	
Residual ethanol	Particulate matter	
Moisture		