

A scalable mRNA synthesis platform for manufacturing mRNAs with batch consistency and high translational output

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Applications: Synthesis of next generation mRNA therapeutics: vaccine development, cancer therapeutics, rare genetic disorder therapeutics, personalised medicine



Features	Benefits
mRNA template plasmid platform with a novel template encoded poly(A) design	Improved plasmid stability in bacterial host during propagation and subcloning
Flexible poly(A) tail length design	Streamlines quality control process
Proprietary 5' and 3' UTR sequences in combination with signal peptide sequences	Streamlines regulatory compliance
Highly modular plasmid design	Production of synthesis mRNAs with poly(A) tails up to ~200 nucleotides in length
	Maximising translational output
	Streamlines regulatory compliance
	High translational output of intracellular or secreted proteins

Features

Benefits

Enables streamlined, speedy, and cost-effective manufacturing of novel/personalised mRNAs drugs

Awaiting patent and Available for

- Co-development
 - Consulting
 - Licensing
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To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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