

The mRNA Revolution BEGAN with our Purification Starter Pack

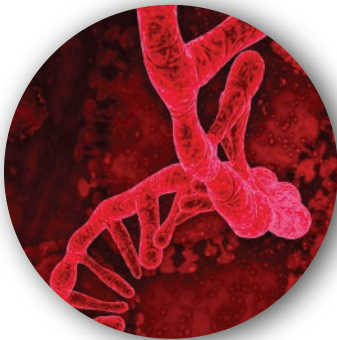
Use the Original HPLC Columns and Buffers that Enabled mRNA Vaccines and Therapeutics

Polystyrene divinylbenzene (PS-DVB) packed columns with reverse-phase, ion-pairing buffers – sourced exclusively from ADS Biotec – were the first tools to successfully enable purification of nonimmunogenic mRNA without loss of efficacy using HPLC technology.



Reach us at info@adsbiotec.com today for a quote!

Why ADS Biotec is the Leader in mRNA Therapeutics Purification



Effective mRNA vaccines can be generated quickly using our RNASep and other HPLC purification columns. All our columns and buffers are generated using proprietary methods, and are finally calibrated by our team of experts prior to lot release. As evidence these products – based on PS-DVB resins – were the first used by the breakthrough Kariko laboratory for in vivo use – and still are used by ADS Biotec’s clinical customers today under established FDA Guidance.

ADS Biotec offers you all the advantages necessary for in vivo mRNA purification. PS-DVB columns and ADS buffers continue to be the fastest, simplest, and most proven method – especially for removal of dsRNA.

	ADS Biotec Columns	Silica-Based Columns	Anion-Exchange Columns	Oligo-DT Columns
Numerous instruments and methods available in biotech labs	X	X	X	X
'Plug and play' capability for fast access to mRNA studies	X	X	X	X
Highest-quality matched buffers available, QCd on instrumentation	X			
Durable, long life columns for supply chain issues in scaleup	X			
Handles any length of mRNA including without polyA tails	X			
Cited as best method by leaders in mRNA - and multiple large CMOs	X			
FDA Guidance for solvents in place for late clinical trials - no chaotropic/ nucleic acid (dsRNA) contaminants	X			

Highly Effective Vaccines and Therapeutics Begin with the Original mRNA HPLC Purification Columns and Buffers Supplied by ADS Biotec

Material and Reagent Manufacturing

- Raw materials testing and inspection
- Manufacture of reagents/buffers, including flammable liquid
- In-process batch Quality testing and sample adjustments
- Manufacture of kit components as well as assembly and packaging of complete kits
- Finished product analysis
- Consistent and reproducible high-volume production
- Label design and packaging to meet customer specifications

Evaluation Capability

- Documented protocols for raw materials acceptance and evaluation
- Shelf-life/stability testing

Quality

- ISO-9001 Certification by British Standards Institute
- Compliance with ISO 13485 requirements for IVD products



Infrastructure

- HEPA filtered clean production suites
- Fully scalable batch sizes (1-1000 L)
- Flammable storage warehouse, hazardous material handling
- In-process buffer QC testing
- Custom volume packaging and labeling
- Product warehousing and drop shipment capabilities

ADS Biotec provides custom manufacturing of ready-to-use buffers for the separation and purification of nucleic acids focused on RNA therapeutics. We can manufacture and globally distribute your products. With mixing capability for aqueous and non-aqueous solutions from single liters to a thousand liters, our manufacturing facility is designed for flexibility in a contained and HEPA-filtered clean environment. All for the flexibility to meet customer requirements.

mRNA Purification Starter Pack Order Information

Product	Description	Catalogue Numbers
RNASeq™ Prep Column	Separation, purification and QC of RNA molecules	7.8 x 50 mm RNA-99-3810
TEAA Buffer Trial Pack	Triethylammonium Acetate based HPLC trial pack:	SP2038
	Triethylammonium Acetate Buffer A – 0.1 M TEAA in water	1 x 2.5 L
	Triethylammonium Acetate Buffer B – 0.1 M TEAA in water	1 x 2.5 L
	Column Wash Solution D (75 % acetonitrile)	1 x 2.5 L

Contact Information



Corporate Office

ADS Biotec Inc.
7409 Irvington Road
Omaha, NE 68122 USA

Phone: 888-974-7483
Email: info@adsbiotec.com



ADS Biotec Limited
40 Watt Road
Hillington Park
Glasgow, G52 4RY UK

Phone: +44 (0)141 892 8800
Fax: +44 (0)141 883 5967
Email: info@adsbiotec.com