

Overall Solution for

Viral Nucleic Acid Extraction



Viral Nucleic Acid Extraction Overall Solution

Nucleic Acid Extraction Reagent

(Magnetic Microsphere Method)



VDO Biotech has rich experience in nano-microsphere manufacturing and technological innovation capabilities. To better support customers' needs for COVID-19 detection raw materials, we have launched three core solutions: magnetic microspheres, technical services for nucleic acid extraction reagents, and bulk package of complete set of nucleic acid extraction reagents.

Comprehensive microsphere design and manufacture capabilities



Microspheres

With years of accumulated experience, the VDO technical team has fully mastered the design capabilities of microspheres.



Materials

1. Flexible project management, improve versatility and customization, and meet the personalized needs of our partners.
2. Strict design and quality control to support the applicability of the product in the clinic.



Capacity

Single batch capacity is up to 500L, which equals to 25 million tests.

Technical service for nucleic acid extraction reagents



Team

Experienced professionals fully support from R&D to industrialization



System

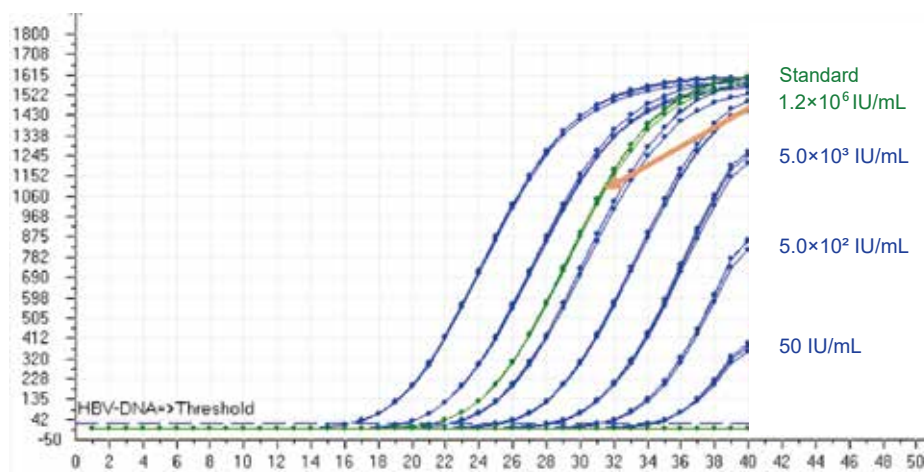
Customized auxiliary materials, matching nucleic acid extraction equipment, one-stop solution for nucleic acid extraction system



Technology

Relying on nano-microsphere design technology and large-scale production process, successfully achieve the upgrading based on existing products

Case Study: Nucleic acid extraction using VDO Biotech's magnetic microspheres



- ▲ HBV samples were diluted to different concentrations with serum. The sample can still be detected stably when the concentration is as low as 50 IU/ml.

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Magnetic Microspheres for Nucleic Acid Extraction

Cat. No.	Color	Surface Groups	Solids	Selected Applications
MS02H	Brownish black	OH	2.5%	Viral nucleic acid extraction
MA200H	Brownish black	OH	2.5%	cfDNA extraction PCR products purification
MA0308C	Brownish yellow	COOH	2.5%	Viral nucleic acid extraction
MA0309C	Brownish yellow	COOH	2.5%	Nucleic acid extraction of swine fever virus
MS05HC	Brownish yellow	OH	2.5%	Viral nucleic acid extraction cfDNA extraction Purification of PCR products
MS05HE	Brownish yellow	OH	3.0%	Viral nucleic acid extraction
MS04T	Brownish yellow	Oligo(dT)	1.0%	mRNA extraction from animal and plant samples
MS02HA	Brownish black	OH	2.5%	Virus, pseudovirus particles, small fragment nucleic acid extraction

The magnetic microsphere products above are all available in 10ml, 100ml, and 1L.

Supporting Raw Material

Cat.No.	Product Name	Form	CAS	Use	Size
VYJ13009-1Kg	Guanidine Hydrochloride	White crystal	50-01-1	Strong protein allosteric agent	1Kg
VYJ13009-25Kg					25Kg
VYJ13012-1Kg	Guanidine Isothiocyanate	White crystal	593-84-0	Strong protein allosteric agent	1Kg
VYJ13012-25Kg					25Kg
PK0030	Proteinase K	White lyophilized powder	39450-01-6	Cell lysis	30mg
PK0100					100mg
PK1000					1000mg
PK1050					50g

Supporting Consumables

Product Name	Size
96-Well Deep Well Plates	A variety of packaging specifications are available.
96-Well Plates	
96-Well Magnetic Rod Cover	
8-Well Magnetic Rod Cover	
96 Sealing Film	

Inspiring & Enabling Life Science Innovation



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