

# Overall Solution for

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## SARS-CoV-2 Antigen Test



# SARS-CoV-2 Antigen Test Product Overall Solution

## Lateral Flow Raw Materials (Dyed Latex 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: dyed latex microspheres, technical services for antigen chromatography detection system, and bulk package of complete set of antigen test materials.

### Comprehensive microsphere design and manufacture capabilities

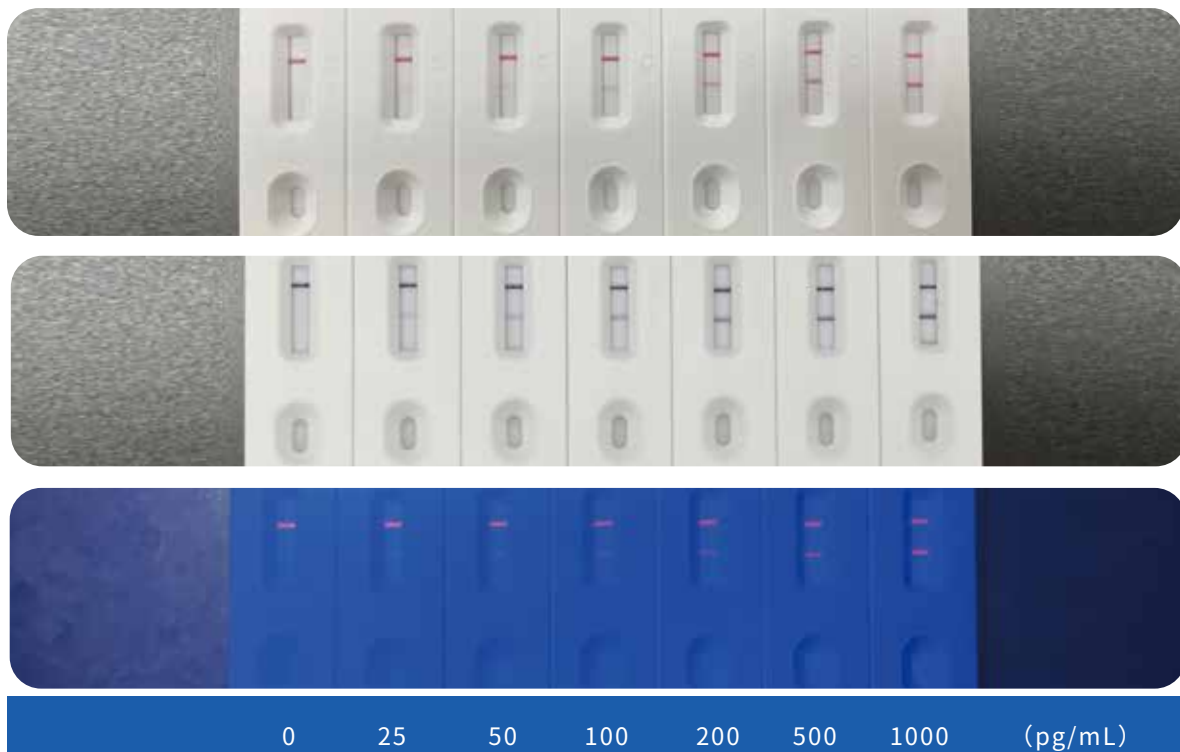
- **Microspheres:** With years of accumulated experience, the VDO technical team has fully mastered the design capabilities of microspheres.
- **Materials:** 1. Flexible project management, improve versatility and customization, and meet the personalized needs of our partners; 2. Strict design and quality control to support the applicability of the product in the clinic
- **Capacity:** Single batch capacity is up to 200 million tests.

### Technical service for lateral flow system

- **Team:** Experienced professionals fully support from R&D to industrialization
- **System:** Nano-microspheres combined with customized auxiliary materials, one-stop solution for lateral flow system
- **Technology:** Relying on nano-microsphere design technology and large-scale production process, successfully achieve the upgrading based on existing products

### Case Study:

#### Application of color-dyed and fluorescent microspheres in Lateral Flow



## Antigen Test Overall Solutions

### Carboxyl Color-dyed Microspheres

Cat. No.	Particle Size	Color	Surface Groups	Solids	Size
DR0200CA	200nm	Red	COOH	4.0%	1ml, 25ml, 100ml, 500ml
DR0300CA	300nm	Red	COOH	4.0%	1ml, 25ml, 100ml, 500ml
DR0400CA	400nm	Red	COOH	4.0%	1ml, 25ml, 100ml, 500ml

### Streptavidin(SA)-coated Color-dyed Microspheres

Cat. No.	Particle Size	Color	Surface Groups	Solids	Size
DR0200SA	200nm	Red	SA	0.1%	1ml, 25ml, 100ml, 500ml
DR0300SA	300nm	Red	SA	0.1%	1ml, 25ml, 100ml, 500ml
DR0400SA	400nm	Red	SA	0.1%	1ml, 25ml, 100ml, 500ml

### Supporting Raw Materials

Cat. No.	Product Name	Use	Type	Size
MIDM01	SARS-CoV-2 NP Antibody	Labelling	Monoclonal antibody (McAb)	1mg, 10mg, 1000mg
MIDM02	SARS-CoV-2 NP Antibody	Coating	Monoclonal antibody (McAb)	1mg, 10mg, 1000mg
CM20211	Chicken IgY	Labelling (Quality Control)	Polyclonal antibody (PcAb)	1mg, 10mg, 1000mg
RP20212	Rabbit anti chicken IgY	Coating (Quality Control)	Polyclonal antibody (PcAb)	1mg, 10mg, 1000mg
M20211	Mouse IgG	Repressor	Polyclonal antibody (PcAb)	1mg, 10mg, 1000mg

### Supporting Materials (Microspheres Release Pad)

Cat. No.	Product Name	Use	Dimension (Length×Width)	Weight	Size
VHC06001	Glass fiber membrane filter	Microspheres release pad	200×300mm	70-80g/m <sup>2</sup>	100pcs/bag
VHC06002	Glass fiber membrane filter	Microspheres release pad	200×300mm	50-60g/m <sup>2</sup>	100pcs/bag

### Supporting Raw Materials

Cat. No.	Product Name	Use	Type	Size
IA0108A	SARS-CoV-2 NP conjugate pad (300nm microspheres)	SARS-CoV-2 NP test	Semi-finished Products	7mm×300mm
IA0109A	SARS-CoV-2 NP conjugate pad (400nm microspheres)	SARS-CoV-2 NP test	Semi-finished Products	7mm×300mm
IA0102A	SARS-CoV-2 NP Test Strips (300nm microspheres)	SARS-CoV-2 NP test	Semi-finished Products	1 test /5 tests/25 tests
IA0103A	SARS-CoV-2 NP Test Strips (400nm microspheres)	SARS-CoV-2 NP test	Semi-finished Products	1 test /5 tests/25 tests
IA0111A	Sample cracking fluid	SARS-CoV-2 NP test	Matching products	/

Other specifications can be customized according to customers' requirements.

Inspiring & Enabling Life Science Innovation



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