Bio-Medicine

Product List

Vaccine Effectiveness Evaluations

■ ELISA Kit for Antibody Detection

Product Name	Size	Cat.No.#	Price (USD)
Spike Antibody (IgG) Quantitative and Qualitative Detection Kit (ELISA)	96 tests	DD3114PEN-01	600
RBD Antibody (IgG) Quantitative and Qualitative Detection Kit (ELISA)	96 tests	DD3112PEN-01	600
Mouse Spike (Omicron) Antibody (IgG) Detection Kit (ELISA)	96 tests	DD3208EN-01	600

Vaccine Manufacture

■ ELISA Kit for Residue Detection

Product Name	Size	Cat.No.#	Price (USD)
EasyAna dsRNA (Modified) Quantitative Detection Kit (ELISA) 2.0	96 tests	DD3509EN-01	713
EasyAna Vaccinia Capping Enzyme Quantitative Detection Kit (ELISA)	96 tests	DD3502EN-01	713
EasyAna 2'-O-Methyltransferase Quantitative Detection Kit (ELISA)	96 tests	DD3503EN-01	713
EasyAna DNase I Quantitative Detection Kit (ELISA)	96 tests	DD3506EN-01	713
EasyAna UniversalBenzo Nuclease Quantitative Detection Kit (ELISA)	96 tests	DD3501EN-01	713

■ mRNA Vaccine Related Raw Materials

Product Name	Size	Cat.No.#	Price (USD)
BspQI(10 U/µl)	500/10000/50000/200000 U	DD4302PCEN-01/02/03/04	59/1066/4736/17050
BsaI(20 U/µl)	1000/20000/100000/400000 U	DD4303PCEN-01/02/03/04	58/922/4147/14930
XbaI(15 U/µl)	750/15000/75000/300000 U	DD4304PCEN-01/02/03/04	17/243/1094/3940
T7 RNA Polymerase(50 U/µl)	50000/250000/1000000 U	DD4101PCEN-01/02/04	449/1957/7046
Murine RNase Inhibitor Neo(40 U/µl)	4000/40000/200000/800000 U	DD4117PAEN-00/01/02/03	78/973/3893/13627
Pyrophosphatase, Inorganic(yeast, 0.1 U/µl)	10/100/500/2000 U	DD4103PCEN-00/01/02/03	57/458/1962/7063
DNase I(1 U/µl)	1000/5000/20000 U	DD4104PCEN-01/02/04	56/226/814
Vaccinia Capping Enzyme	1500/10000/50000/200000 U	DD4109PCEN-00/01/02/03	420/2386/10606/38182
mRNA Cap 2′-O-Methyltransferase(50 U/µl)	7500/50000/250000/1000000 U	DD4110PCEN-00/01/02/03	174/1007/20139/56040
T7 High Yield RNA Transcription Kit	50 rxns	DD4201EN-01	186
T7 High Yield RNA Transcription Kit(N[1]-Me-Pseudo UTP)	50 rxns	DD4202EN-01	226

Vazyme
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Product Introduction

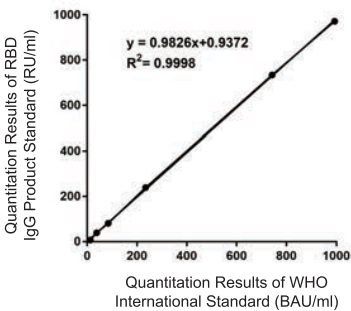| Products (Cat.No.#)	Product Description	Application
EasyAna dsRNA (Modified) Quantitative Detection Kit (ELISA) 2.0 (#DD3509EN)	This kit uses double-antibody sandwich enzyme-linked immunoassay to detect residues of double-stranded RNA (dsRNA).	This kit is applied to detect the content of dsRNA in in vitro transcription system or synthetic mRNA stock solution.
RBD Antibody (IgG) Quantitative and Qualitative Detection Kit (ELISA) (#DD3112PEN, #DD3114PEN)	This kit quantitatively and qualitatively detects the level of IgG antibodies against the novel coronavirus SARS-CoV-2 Spike /RBD protein in human serum or plasma samples by enzyme-linked immunosorbent method.	This kit can be used for the detection of IgG antibody levels in human serum samples during the clinical trial phase of vaccines.

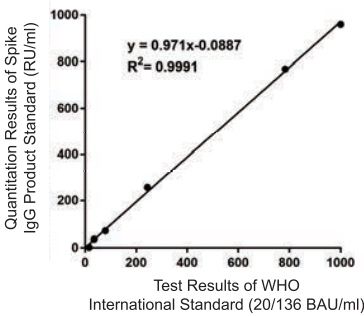
Vaccine Effectiveness Evaluations

RBD Antibody (IgG) Quantitative and Qualitative Detection Kit (ELISA) (#DD3112PEN, #DD3114PEN)

Validation Data

Correlation Analysis Between the Product Standard and WHO International Standard

$y = 0.9826x + 0.9372$
$R^2 = 0.9998$

Quantitation Results of RBD IgG Product Standard (RU/ml)

Quantitation Results of WHO International Standard (BAU/ml)

Vazyme RBD IgG Product Standard is metrologically traceable to WHO International Standard (NIBSC code: 20/136), and the determination coefficient R^2 is > 0.99 with WHO International Standard

$y = 0.971x - 0.0887$
$R^2 = 0.9991$

Quantitation Results of Spike IgG Product Standard (RU/ml)

Test Results of WHO International Standard (20/136 BAU/ml)

Vazyme Spike IgG Product Standard is metrologically traceable to WHO International Standard (NIBSC code: 20/136), and the determination coefficient R^2 is > 0.99 with WHO International Standard

Features

♦ **Reference material**
Calibrators provided by Human IgG Quantitative Detection Kit (#DD3112PEN, #DD3114PEN), which is traceable to WHO International Standard (NIBSC code: 20/136)

♦ **Stable performance**
Strict methodological validation to ensure the inter-lot stability of kits

♦ **Ease of operation**
No pathogen-related procedures, compatible with automatic ELISA analyzers

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Vaccine Manufacture

7.2

Features

♦ **Controllable Raw Materials**

♦ **Excellent Performance**

High analytical sensitivity: LOD < 10 pg/ml, LOQ = 46.87 pg/ml

Good accuracy: spike recovery accuracy within the range of 80%-120%

Good precision: CV < 15%

Good specificity: only specifically identify dsRNA of more than 40 bp, not interfered with by other forms of nucleic acids or IVT tool enzymes

♦ **Comprehensive Validation**

The kit's methodology has been fully validated according to the biological sample analytical method validation M10, and a comprehensive methodological validation report is available, meeting relevant requirements for analytical method validation during the application for product registration.validation to ensure the inter-lot stability of kits
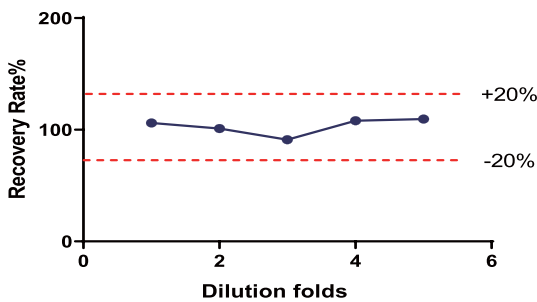

EasyAna dsRNA (Modified) Quantitative Detection Kit (ELISA) 2.0 (#DD3509EN)
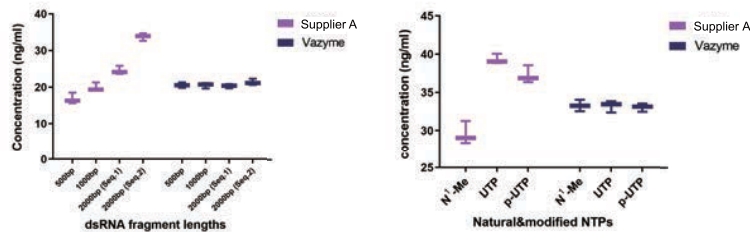
Application

This product is suitable for detecting the content of dsRNA in modified/unmodified mRNA samples accurately.

Validation Data

Dilution Accuracy

Competitive Product Comparison

Precision

Inter-lot consistency									
Sample Concentration	High			Medium			Low		
Lot No.	Lot 1	Lot 2	Lot 3	Lot 1	Lot 2	Lot 3	Lot 1	Lot 2	Lot 3
n	30			30			30		
Mean value	0.6879			0.1357			0.0461		
SD	0.0492			0.0092			0.0035		
CV	7.1%			6.8%			7.6%		

Specificity

Specificity							
Type / Concentration	dsRNA (Control)	ssDNA	ssRNA	RBD mRNA	Spike mRNA	Luciferase mRNA	EGFP mRNA
2 mg/ml	Reactive	Non-reactive	Non-reactive	Non-reactive	Non-reactive	Non-reactive	Non-reactive
1 mg/ml	Reactive	Non-reactive	Non-reactive	Non-reactive	Non-reactive	Non-reactive	Non-reactive

Selectivity						
Type / Concentration	T7 RNA Polymerase	Inorganic Pyrophosphatase	DNase I	RNase Inhibitor	Capping Enzyme	2'-O-Methyltransferase
10 μg/ml	Non-interfering	Non-interfering	Non-interfering	Non-interfering	Non-interfering	Non-interfering