



Environmental COVID-19 (SARS-CoV-2)

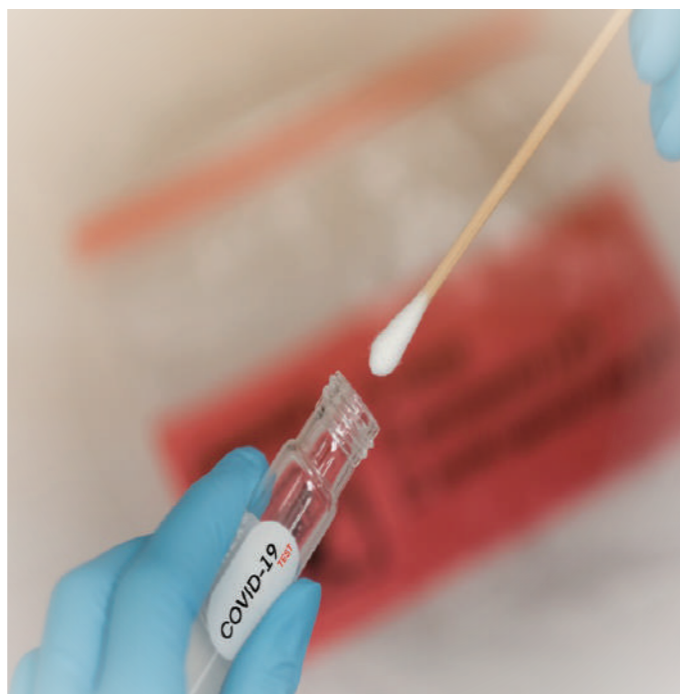
RBD Antigen Rapid Detection Kits



Antibody, Chemical, Enzyme, ELISA/assay kit
CUSTOM LAB SERVICER

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1 The main transmission route of COVID-19 (SARS-CoV-2) virus was determined as through inhalation of respiratory droplets released from an infected person coughing and sneezing, and/or having direct contact with a contaminated surface. COVID-19 (SARS-CoV-2) virus was detected on a chopping board from imported salmon in Beijing, China. It is not yet known whether COVID-19 (SARS-CoV-2) virus can survive and spread at low temperature environment. Seafood markets, fruit and vegetable markets, meat processing and other food processing plants may become areas at high risk of COVID-19 (SARS-CoV-2) virus transmission. The detection of environmental samples, such as public transportation, wastewater, aquatic products (fish and shrimp), or meat (pig, cattle and sheep), will help us understand the contamination risk of the COVID-19 (SARS-CoV-2) virus, as well as disinfection effectivity while applying disinfectants on contaminated samples.



2 Applications

Production and processing



Slaughterhouses, breeding farms, and vegetable planting bases should test environmental samples to ensure a safe production environment. Meat processing plants, aquatic product processing plants and feed processing plants shall conduct tests on the meat, fresh food and grains purchased by the company to ensure that the products will not be contaminated by viruses.

Logistics transportation

Viruses can survive for a long time at low temperatures. Cargo ships, and air transportation can easily cause the spread of the virus. Therefore, companies need to focus on testing food packaging, storage freezer surfaces and wastewater to ensure transportation safety.



Market trade



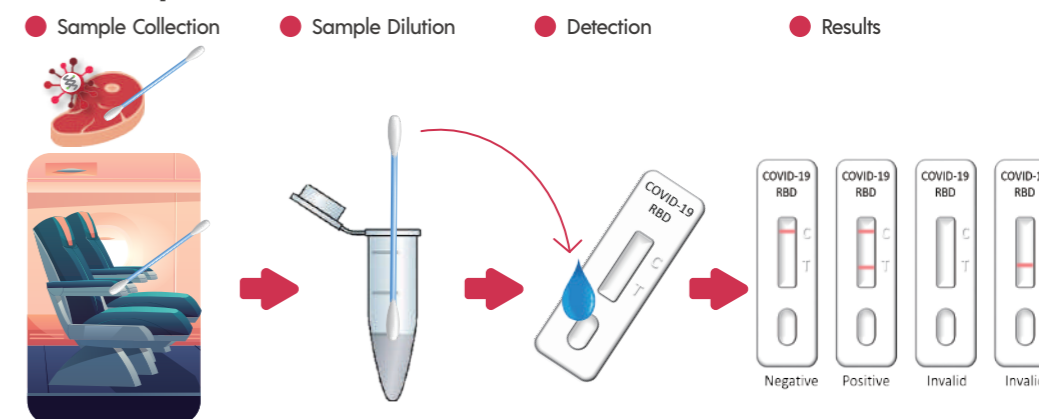
Supermarkets should conduct inspections on the meat and aquatic products they supplied to protect consumers' health and a safe shopping environment.

3 COV2001 Environmental COVID-19 (SARS-CoV-2) RBD Antigen Rapid Detection Kit (Colloidal Gold-Based)

Features

- Short detection time
- Convenient operation
- High specificity
- High sensitivity
- High stability

Steps

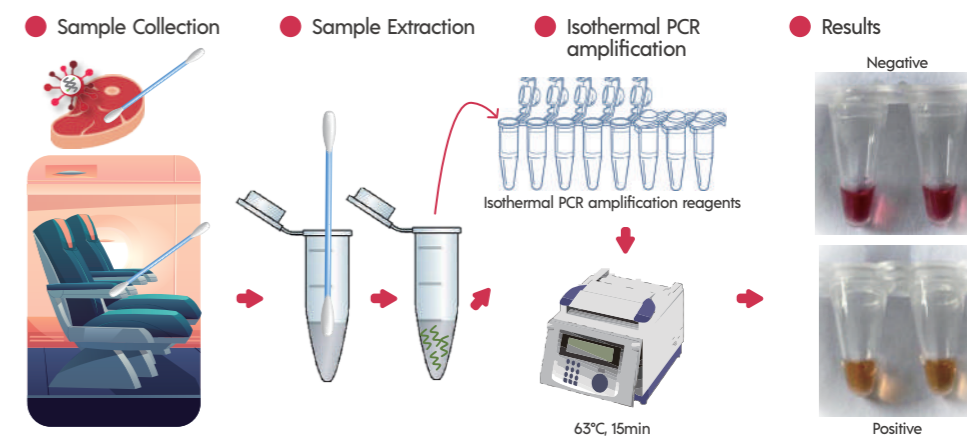


4 COV3002 Environmental COVID-19 RBD Nucleic Acid Rapid Detection Kit (Isothermal Amplification Method)

Features

- High sensitivity
- High specificity
- High accuracy
- Fast
- Convenient interpretation of results

Steps



5	Cat. No.	COV2001	COV3002
	Product Name	Environmental COVID-19 (SARS-CoV-2) RBD Antigen Rapid Detection Kit (Colloidal Gold-Based)	Environmental COVID-19 (SARS-CoV-2) RBD Nucleic Acid Rapid Detection Kit (Isothermal Amplification Method)
	Size	50 Tests/ Box	10 Tests/ Box
	Testing Principle	Lateral flow immunoassay	RT-LAMP
	Specificity	★★★★	★★★★★
	Sensitivity	★★★	★★★★★
	Result Interpretation	Visually	Visually
	Reaction Time	10-20 min	10-20 min
	Reaction Temperature	Room temperature	Isothermal Amplification
	Instrument Required	No Required	Magnetic stand, PCR machine
	Features	Easy operation Rapid results Economical	Easy operation Rapid results High specificity