



12-METER NUCLEIC ACID SAMPLING VEHICLE

Nucleic acid specimen testing **1000** specimens / 8h Mixed testing (five specimens tested together)

200 specimens / 8h Traditional arrangement

Yutong's COVID-19 comprehensive mobility solution covers

Specimen collection - detection and diagnosis - transport and treatment - medical waste disposal - vaccination



Specimen collection



Detection and diagnosis



Patient transport and treatment



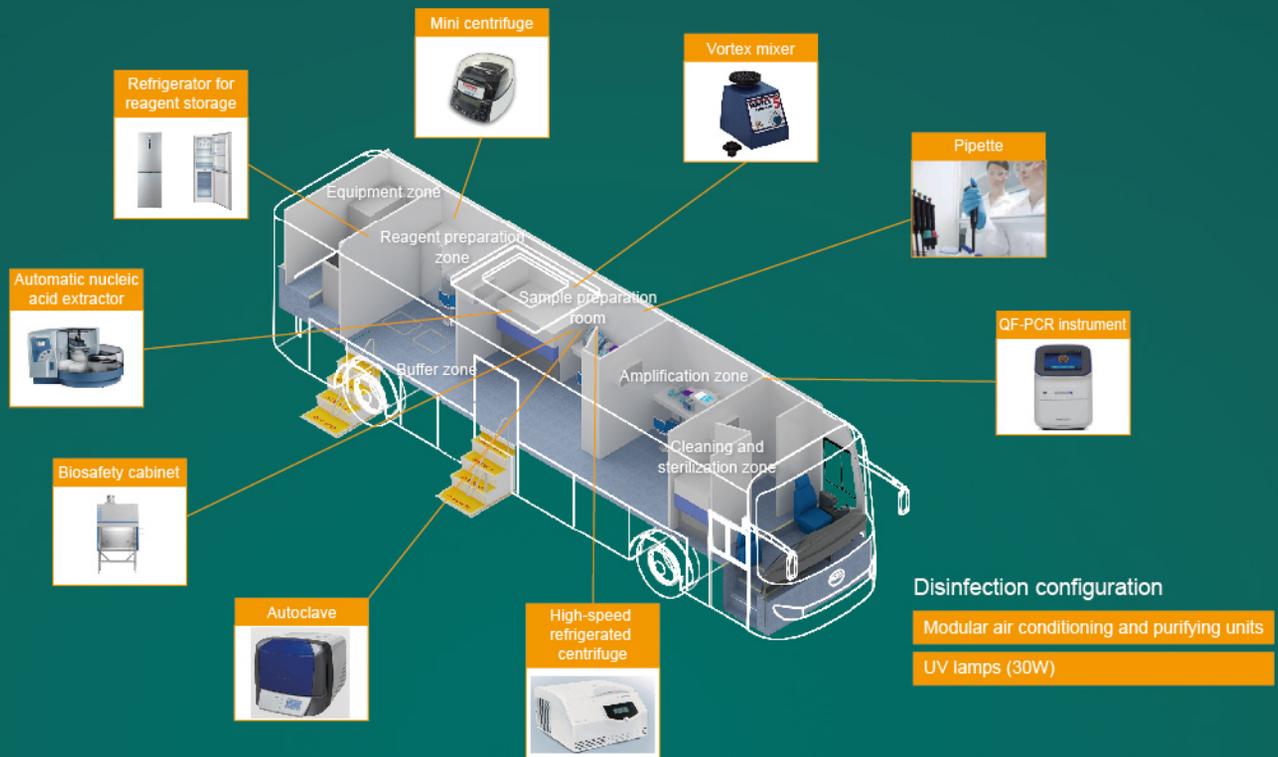
Medical waste disposal



Vaccination

12-METER NUCLEIC ACID SAMPLING VEHICLE

This well-equipped model is a mobile nucleic acid testing laboratory specially developed for the "detection and diagnosis" stage.



Strong ability of nucleic acid specimen testing

Specimen mixed testing 1,000 specimens within 8 hours (five specimens tested together)
Tradition arrangement 200 specimens within 8 hours

Strong safety performance

Up to level P2 biosafety laboratory standards
Standard PCR partition design

Visual smart control system

Real-time monitoring of dynamic pressure difference
Monitoring and control of temperature and humidity
Fault alarm

Air conditioning and purifying system

Level 7 purification standard
Directional airflow

Anti-leakage

Highly integrated facilities for water, electricity, air supply and exhaust, waste water treatment and medical disinfection

Zoning	Equipment name	Equipment function and processing capacity	Zoning	Equipment name	Equipment function and processing capacity
Reagent preparation zone	Refrigerator for reagent storage	Storage of lab reagents: refrigeration temperature: 2-8 °C Freezing temperature: -20 °C; available capacity: 210L	Sample preparation room	Vortex mixer	Reagent mixing: Maximum load (with clamp) 3kg, continuous operation/inching
	Mini centrifuge	Reagent centrifugation: 32-channel, instant centrifugation		Autoclave	Removal of viruses: Capacity is 80L
	Vortex mixer	Reagent mixing: Maximum load (with clamp) 3kg, continuous operation/inching		High-speed refrigerated centrifuge	Centrifuge to prepare samples: 21100xg centrifugal force, 14800rpm rotational speed, equipped with certified anti-biological contamination angle rotor (24x1.5/2ml)
	Pipette	Liquid transfer: 0.1-2.5ul, 0.5-10ul, 10-100ul, 20-200ul, 100-1000ul	QF-PCR instrument	Quantitative analysis of specific DNA sequences in the sample to be tested; Response running time: <30 minutes	
Sample preparation room	Automatic nucleic acid extractor	Nucleic acid extraction: Automatic separation and purification of high purity nucleic acids from various sample materials	Amplification zone	Mini centrifuge	Reagent centrifugation: 32-channel, instant centrifugation
	Biosafety cabinet	Sample isolation protection: high efficiency intake/exhaust HEPA filter to protect staff safety, avoid contamination of handling samples and protect the environment.		Pipette	Liquid transfer: 0.1-2.5ul, 0.5-10ul, 10-100ul, 20-200ul, 100-1000ul
	Pipette	Liquid transfer: 0.1-2.5ul, 0.5-10ul, 10-100ul, 20-200ul, 100-1000ul	Disinfection configuration	Modular air conditioning and purifying units	Gradient pressure: ensure the negative gradient pressure of three areas of reagent preparation area (+10pa) → sample preparation area (-10pa) → nucleic acid amplification area (-20pa)
	Mini centrifuge	Reagent centrifugation: 32-channel, instant centrifugation		UV lamps (30W)	Disinfection for 20m³ of working zone/lamp