Vazyme

Integrated Solutions for Pathogen Detection in *Penaeus vannamei*

An Animal Disease Diagnosis Expert You Can Trust



Vazyme (688105.SH) is a global technology and service provider that dedicated to the design, manufacture, and application of bioactive proteins and continuously expands the application fields of core technologies in life science, in vitro diagnostics, bio-medicine, and others. To meet the varying needs of our customers and partners, we have developed over 600 types of genetically engineered recombinant enzymes and over 2,500 types of high-performance materials and over 2,000 end products. While remaining steadfast to high quality standards, producing all core materials in-house and adhering to GMP quality control standards, we endeavor to maintain a stable and sufficient supply for global customers by establishing subsidiary companies and local warehouses. Currently, Vazyme has served customers in over 60 countries and regions with global subsidiary companies in the USA, Canada, Indonesia, Singapore, Germany, UK, Australia, South Korea and Hungary.


SGS

Certificate CN17/20242

Nanjing Vazyme Biotech Co., Ltd.

Business Registration Address: No. 1~8 Floor Eastern sector, Building C1-2, Red Maple Park, Kechuang Road, Economical and Technological Development Zone, Nanjing City, P.R. China

Business Operation Address: No. 4~8 Floor Eastern sector, Building C1-2, Red Maple Park, Kechuang Road, Economical and Technological Development Zone, Nanjing City, Jiangsu Province, P.R. China

Unified Social Credit Code 91320192589435065R

has been assessed and certified as meeting the requirements of

ISO 9001:2015

For the following activities

Devising and manufacture of the enzyme and premix (polymerase chain reaction, reverse transcription reaction, molecular cloning and mutagenesis, high-throughput sequencing library preparation) used for research

This certificate is valid from 16 July 2020 until 18 January 2023 and remains valid subject to satisfactory surveillance audits. Recertification audit due a minimum of 60 days before the expiration date. Issue 3. Certified since 19 January 2017

Authorized by

SGS United Kingdom Ltd

Rossmore Business Park Ellesmere Port Cheshire CH65 3EN UK

t +44 (0)151 350 6666 f +44 (0)151 350 6600 www.sgs.com

The certification information can be verified on the Industrial and Commercial Administration

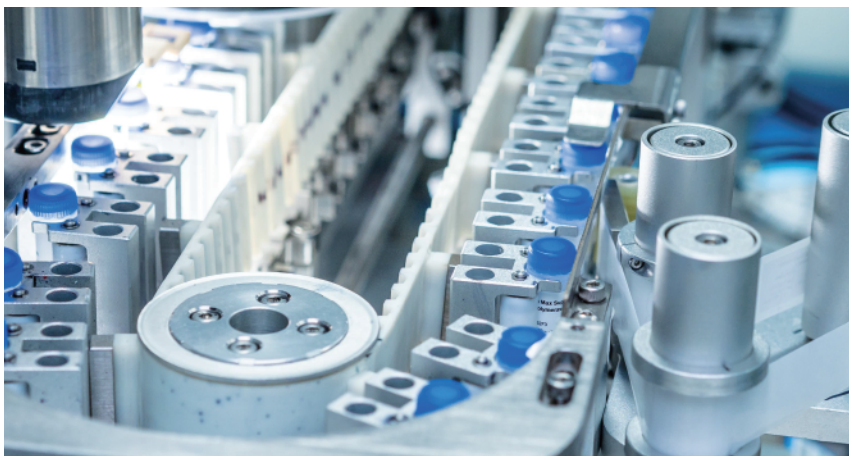
Administration of the People's Republic of China www.cnca.gov.cn

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UKAS MANAGEMENT SYSTEMS 0008

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Certificate CN22/42004

The management system of

NANJING VAZYME BIOTECH CO., LTD.

Business Registration Address: No. 1-8 Floor Eastern sector, Building C1-2, Red Maple Park, Kechuang Road, Economical and Technological Development Zone, Nanjing City, Jiangsu Province, P.R. China

has been assessed and certified as meeting the requirements of

ISO 13485:2016
EN ISO 13485:2016

For the following activities

The scope of registration appears on page 2 of this certificate.

This certificate is valid from 7 January 2022 until 6 January 2025 and remains valid subject to satisfactory surveillance audits. Recertification audit due a minimum of 60 days before the expiration date. Issue 1. Certified since 7 January 2022

This is a multi-site certification. Additional site details are listed on subsequent pages.

Authorized by

SGS United Kingdom Ltd

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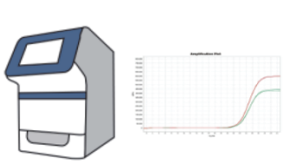


< Full Workflow of Pathogen Detection >

01 Scientific sampling → 02 Sample treatment → 03 Nucleic acid purification → 04 qPCR detection







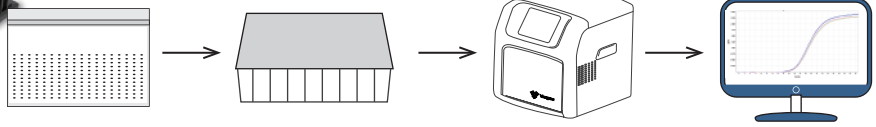
Nucleic Acid Purification

Protocol 1: Automated Extraction



Fully automated operation

Rapid extraction to complete nucleic acid purification within 10 min

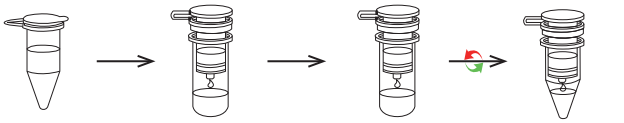


Collect sample → Add prepackaged reagent to the sample → Extract nucleic acids → Detect by qPCR

Protocol 2: Manual Extraction



Ease of operation to complete nucleic acid purification within 11 min



Lyse the sample → Adsorb nucleic acids → Remove impurities → Elute DNA/RNA

qPCR Detection





Accurate

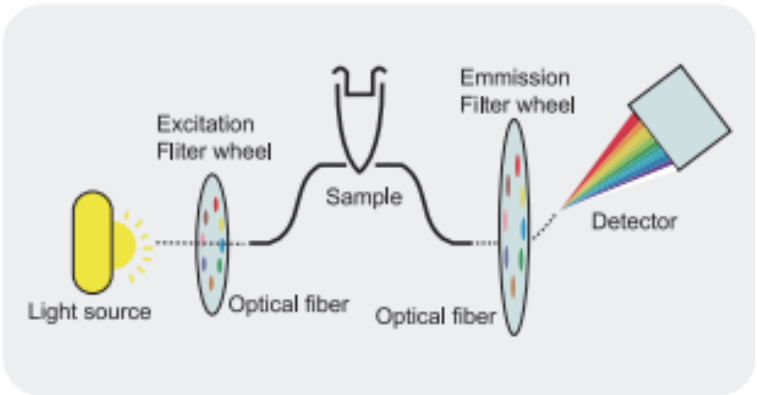
Internal control monitors the whole process, from sampling to testing, to avoid false negative results.
Anti-contamination system effectively prevents false positive results.
Enzyme variants have improved impurity tolerance to reduce missed detection in complex samples.

Sensitive

Pathogen at a concentration of < 10 copies in the test sample can be detected, reducing missed detection and enabling early diagnosis and treatment.

Instrument





Key Advantages

Reliable: Temperature control system range from 4°C to 100°C
Efficient: Detection system has 6 zones independent tenperature control
Rapid data acquistion
User-fridenly oftware platform

Labware

Laboratory Consumables



Anti-contamination filter pipette tip



8-tube strip marked with arrow direction

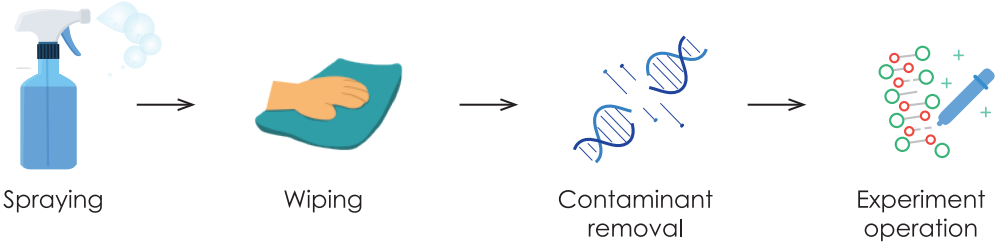


Detachable 96-well plate

Laboratory Detergents and Cleaners



Prevent RNase and nucleic acid contamination in the laboratory to ensure accurate detection



After-Sales Service

Vazyme's professional after-sales service team can provide 24-hour technical support, helping you address troubles promptly in an experiment.

Technical Service

Vazyme build a professional training system involving lab design planning, standard operating procedures, and other relevant training courses, helping you carry out experiments successfully.

Selection Guide

Product Type	Product Name	Cat. No.
Nucleic acid purification	Automatic Nucleic Acids Extraction Instrument	VNP-32P
	VAMNE Virus DNA/RNA Extraction Kit 3.0 (32 Prepackaged)	RM501
	FastPure Viral DNA/RNA Mini Kit V2	RC313
Pathogen detection of Penaeus vannamei	Penaeus Acute Hepatopancreatic Necrosis Disease (AHPND) qPCR Detection Kit	AHPNDQ101
	Enterocytozoon Hepatopenaei (EHP) qPCR Detection Kit	EHPQ101
	Penaeus Infectious Hypodermal and Hematopoietic Necrosis Virus (IHHNV) qPCR Detection Kit	IHHNQ101
	Penaeus Shrimp Hemocyte Iridescent Virus (SHIV) qPCR Detection Kit	SHIQ101
	Vibrio Parahaemolyticus (VP) qPCR Detection Kit	VPQ101
	Penaeus White Spot Syndrome Virus (WSSV) qPCR Detection Kit	WSSQ101
	Highly Pathogenic Vibrio (HLV) qPCR Detection Kit	HLVQ101
	Vibrio Harveyi (VH) qPCR Detection Kit	VHQ101
	Infectious Myonecrosis Virus (IMNV) qPCR Detection Kit	IMNQ101
	Taura Syndrome Virus (TSV) qPCR Detection Kit	TSQ101
	Enterocytozoon Hepatopenaei/Penaeus Acute Hepatopancreatic Necrosis Disease (EHP/AHPND) Dual qPCR Detection Kit	EH-AHQ201
	Penaeus Infectious Hypodermal and Hematopoietic Necrosis Virus/White Spot Syndrome Virus (IHHNV/WSSV) Dual qPCR Detection Kit	IH-WSQ201
Fluorescence quantitative detection instrument	FMR3 Real-Time Quantitative Thermal Cycler	FMR3
Labware	8-Tube PCR Strips (with Caps)	PCR00802
	Semi-Skirted 96-Well PCR Plates	PCR09602SS
	Self-Adhesive Plate Sealing Films	PCR09600SF
	10 µl Pipette Tips (Filtered, Rack)	PTR00121 PTR00122
	200 µl Pipette Tips (Filtered, Rack)	PTR02021 PTR02022
	1,000 µl Pipette Tips (Filtered, Rack)	PTR10021 PTR10022
	10 µl Pipette Tips	PTB00111 PTB00112
	20 ul Pipette Tips	PTB02011 PTB02012
	1000 ul Pipette Tips	PTB10011 PTB10012
Laboratory cleaning	RNase, RNA and DNA Remover	R504

Vazyme Online

Visit www.vazyme.com for more information about **Vazyme**'s products and services

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