

NOVA-3120V

Veterinary Automated Chemistry Analyzer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Specifications

Sample volume	90-120µl
Bar code	Two-dimensional bar code
Testing time	12minutes/sample
Temperature	37°C ± 0.2°C
Resolution	0.001Abs
Absorbance	0-3.0Abs
Sample type	Anti-coagulated whole blood, serum, plasma
QC & Calibration	Real time full-auto finish
Operational environment	Temperature - 10-32°C Humidity - <85%
Testing principle	Absorption spectroscopy, transmission turbidimetry
Testing method	End point, kinetic, fixed time and turbidimetry
Light source	12V/20W, halogen tungsten lamp's life span is over 2500 hours
Power supply	AC100V-240V, 50-60Hz
Power	Output: 15 7.0a, 105W MAX
Display	Android 6.5 inch 8000*480, multi-point capacitive touch screen
Storage	4G, > 100,000 results
Printer	Built-in thermal printer
Connectors	2 USB ports

►► NOVA-3120V

NOVA-3120V is a completely new chemistry, electrolyte, immunoassay and coagulation analyser for animal health diagnosis producing accurate reference laboratory quality results.

▶▶ **Small sample volume**

Sample volume required for analysis is only 1/10-1/20 when compared to traditional chemistry analyzers.

▶▶ **Easy to carry**

5kg. The analyzer was designed to be portable and have a small footprint, ensuring that it can be used anywhere at any time.

▶▶ **Less Maintenance**

No maintenance consumables, such as tubing, pumps or valves required, which saves on maintenance expense.

▶▶ **Accurate Results**

The NOVA-3120V analyzer Utilizes the photometric colorimetric principle, which is superior to the dry chemistry analyzer using a light reflection principle. The accurate rotor mould guarantees consistent test sample and dilution volumes, eliminating random error and cross contamination.

▶▶ **EASY 3-STEPS OPERATION :**

Dilution, centrifugation, quality control and test result printing occur automatically as steps during the sample analysis process.

▶▶ **1. Insert Sample (100µl blood)**

Whole blood sample requires no pre-treatment. Only 100µl of whole blood, serum or plasma required to complete the test.



▶▶ **2. Insert Rotor (12 minutes running)**

Easy to use in a mobile setting or in the field. Key moving parts are original and sourced from US manufacturers. All fluids self-contained within the rotor, eliminating the need for internal pumps, valves and other vulnerable parts.



▶▶ **3. Read Result (immediately)**

The photoelectric colorimetric principle utilized eliminates random error and cross contamination. The analyzer quality checks and calibration occurs automatically and it real time during analysis.



	Albumin	Alkaline phosphatase	Alanine aminotransferase	Amylase	Aspartate aminotransferase	Calcium	Cholinesterase	Chlorine	Creatine Kinase	Creatinine	Glucose	Gamma glutamyl transferase	Potassium	Lactate dehydrogenase	Lipase	Magnesium	Sodium	Phosphorus	Bile Acids	Total Bilirubin	Total Cholesterol	Bicarbonate	Triglycerides	Total Protein	Uric Acid	Urea nitrogen	C-reactive protein	Prothrombin	Activated Partial thromboplastin	Thrombin	Fibrinog	Feline serum amyloid	Albumin/Globulin	Urea nitrogen/Creatinine	Globulin	
Analyte (full name)	ALB	ALP	ALT	AMY	AST	Ca	CHE	Cl	CK	Crea	GLU	GGT	K ⁺	LDH	LPS	Mg ²⁺	Na ⁺	PHOS	TBA	TB	TC	tCO ²	TG	TP	UA	BUN	c-CRP	PT	APTT	TT	FIB	f-SAA	A/G*	B/C*	GLOB*	
Comprehensive Test	●	●	●	●			●			●	●		●				●			●				●	●	●								●	●	●
Health Check	●		●	●	●	●			●	●	●							●		●			●	●		●								●	●	●
Liver Function	●	●	●		●							●							●	●	●			●										●		
Kindney Function	●					●				●	●							●				●			●	●									●	
Electrolyte						●		●					●			●	●	●				●														
Primary Diagnostic	●	●	●							●	●													●		●								●	●	●
Emergency Diagnostic			●	●			●	●		●	●		●				●					●				●									●	
Pre-operation		●	●		●				●	●	●			●										●		●									●	
Canine Inflammation				●						●					●											●	●								●	
Coagulation																												●	●	●						
Feline Inflammation			●						●										●					●		●						●				

►► DISPOSABLE REAGENT DISC :

11 Veterinary Chemistry profiles with 35 Parameters in One Solution

The single use plastic rotor contains freeze-dried reagents and diluent with a 12 month shelf-life when stored at 2-8°C. The QR code not only contains the basic information of the rotor, but also has the functionality of intializing a system update and set the zone codes.



HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



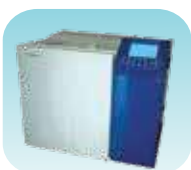
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3007



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Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



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Analyzer



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Reader/Washer



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Total Organic
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Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility



Analytical
Foundation

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org
2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.
3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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