



Artron
Laboratories Inc.



CORVO

CORVO™ Rapid Immunoassay Analyzer



CORVO™ Rapid Immunoassay Analyzer

Artron takes high-quality lateral flow technology one step further with the introduction of CORVO™ Rapid Immunoassay Analyzer. CORVO™ is your solution to obtaining quantitative and qualitative results of Artron's colloidal gold-labelled, lateral flow test kits. CORVO™ is an extremely easy-to-use instrument and its simple user interface makes it accessible to a wide range of end users. In addition, it is small, lightweight, and convenient to use, providing accurate and reliable results for all of your testing needs.

FEATURES

Provides quantitative and qualitative test results for standard sized, single test line Artron rapid test cassettes

Connects easily with most hospital LIS systems
Saves up to 1000 test results automatically
Prints test results in real time
Can perform Immediate or Scheduled testing

Lot Key provided with each order of Artron's test cassettes allows for precise, lot-specific calibration with every analysis

Principle: When the sample is added to the test cassette and the test is run, the result is reflected by the color shown when colloidal gold labels are conjugated to the antibodies on the test and control lines. The color intensity of the test line is then measured quantitatively by the photoelectric sensor.

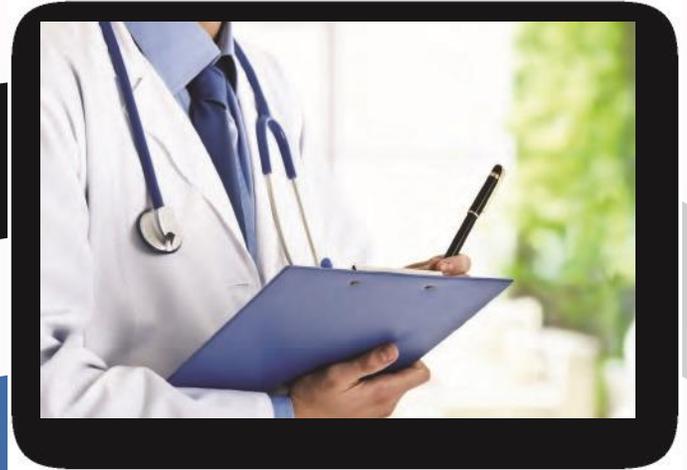
Applications: Medical Diagnostics, Food Safety Testing, GMO Detection



CORVO™ Rapid Immunoassay Analyzer

SPECIFICATIONS

Accuracy: **>95%**
Precision: **>97%**
Linearity: **>98%**



Operating Conditions: 5~40 °C, < 80% Humidity, 86.0Kpa~106.0Kpa

Wavelength: 450nm-475nm
Detector: High-Resolution Reflective Optic Density Sensor
Light Source: Maintenance Free LED
Printer: Built-in 58mm Thermo Printer
Result storage capacity: 1000 Results
User interface: Multi-Coloured TFT LCD Touch Screen
Compatibility: Artron Lateral Flow Cassettes
Sample Delivery: Manual
Test Speed: Consecutively ~120T/Hr
Test channel: Single
Timed Test: 0-60 minutes
Interface for Data: High-Speed USB2.0

ABOUT ARTRON

At Artron, we are devoted to excellence and innovation; we aspire to overcome industry challenges and provide simple and affordable IVD products that meet your highest expectations. The combination of an experienced research team along with a highly developed production technology guarantees that our tests are of premium quality. We have an extensive product catalogue that includes lateral flow tests (rapid diagnostics) for the detection of fertility hormones, infectious diseases, tumor markers, cardiac markers, drugs of abuse, food safety, and genetically modified organisms.

COMPATIBLE TESTS

Fertility

Human Chorionic Gonadotropin (Regular)
Human Chorionic Gonadotropin (Ultra)
Human Chorionic Gonadotropin (Combo)
Luteinizing Hormone
Follicle-stimulating Hormone
Premature Rupture of Fetal Membrane
Test for POCT

Infectious Diseases

Hepatitis B Virus Surface Antigen

Neisseria Gonorrhoeae
Chlamydia Trachomatis

Helicobacter Pylori Antigen
Vibrio Cholerae O139
Vibrio Cholerae O1 Ogawa
Vibrio Cholerae O1
Rotavirus
Adenovirus
Salmonella Typhi Antigen

Group A Streptococcus
F1 Antigen of *Yersinia Pestis*
Procalcitonin

Tumor Markers

Carcinoembryonic Antigen
Fecal Occult Blood
Fecal Transferrin
Alpha - Fetoprotein
Prostate Specific Antigen
Fecal Transferrin Test

Drugs of Abuse

Amphetamine
Barbiturates
Benzodiazepine
Cocaine
Methylenedioxymethamphetamine
Methamphetamine
Morphine
Opiates
Methadone
Tricyclic Antidepressants
Tetrahydrocannabinol
Buprenorphine
Oxycodone
Phencyclidine

Cardiac Markers

Fatty Acid Binding Protein
Cardiac Troponin I
C-Reactive Protein

Food Safety & GMO

Aflatoxin
BT Cry 1 Ab/Ac
Round Up Ready CP4 EPSPS
Phytase
High Glycosylated Phytase
PAT/bar
HPT
IrrE
NPT II
G2 EPSPS

Other

Microalbuminuria