

MONOTEST STOOL ANALYZER

We bring innovations in diagnostics.

Copross



NEW

Copross FULLY AUTOMATED
MONOTEST STOOL ANALYZER



The **Copross Monotest immunoanalyzer** facilitates stool analysis with clean and safe sample manipulation and providing fast and reliable results. Over 20 parameters are now available on NeoMedica Copross analyzer.

- NeoMedica's Copross platform is a **fully-automated Monotest Immunoanalyzer** with an unique **monotest reagent cartridge, state-of-the-art technology and outstanding flexibility.**
- The test method is **EIA** as the well proven gold standard.
- Copross is a robust, compact and practical fully automated immunoanalyzer specialized for stool sample analyses with photometric detection. It enables running 30 different tests in a single session. Copross has a specialized workflow system designed for best reliability and maximum accuracy. On-board washing and cleaning system and independent set of probes ensures minimum carryover and precise result delivery.

The touch screen user interface provides **easy access to daily operations.** The operator loads monotest cartridges with applied sample/QC. Once the cartridges are loaded, all the operator needs is to press START and walk away without further operations.





STOOL EXTRACTION SYSTEM

Stool extraction systems are prefilled with **2.5 ml** of sample extraction buffer.

You should unscrew the blue dipstick end of the tube and insert the dipstick into the sample. Pick up the appropriate amount of sample and place the dipstick back into the tube.

Homogenize the mixture of sample and extraction buffer by vortexing and allow the sediment to settle.

Carefully unscrew the white cap of the tube and break the tip by bending it back and forth.

Dispense the amount of extracted sample, designated in the corresponding paragraph of each test, in well on Position 1 of each cartridge.

Copross TECHNICAL FEATURES



30 positions in a temperature-controlled rotor (25°C and 37°C) for up to 30 different assays in one session.

Copross reduces carry over with two independent sets of probes and piercing devices coated with latest technology nanoceramic.

Optical system is advanced LED fiber optic, no maintenance.

P2P + 4PL factory calibration and calculation for quantitative results

Ready-to-use barcoded reagent cartridge.

Fresh reagent till expiry date.

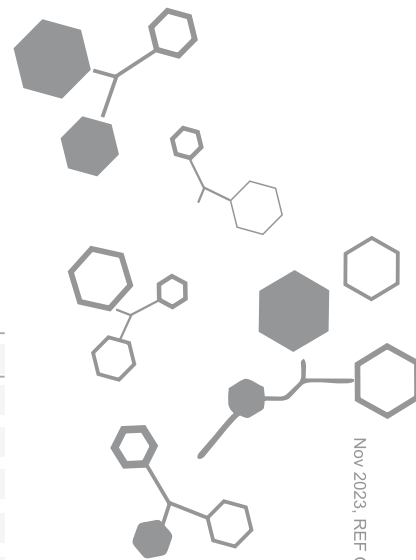
AVAILABLE TESTS

➤ Calprotectin	➤ Cryptosporidium parvum*
➤ Helicobacter pylori	➤ Giardia*
➤ Hemoglobin / Haptoglobin Complex	➤ Adenovirus*
➤ Clostridium difficile GDH	➤ Lysozyme*
➤ Clostridium difficile Toxin A+B	➤ PMN-Elastase*
➤ Campylobacter	➤ Zonulin*
➤ Entamoeba histolytica*	➤ β-Defensin*
➤ Rotavirus*	➤ EDN*
➤ Verotoxin 1+2*	➤ Albumin*
➤ Norovirus*	➤ α1-Antitrypsin*
➤ Astrovirus*	➤ Anti gliadin Ab*
➤ sIgA*	➤ Anti transglutaminase Ab*
➤ MPO*	

LEGEND: *R&D, ** R&D



TECHNICAL CHARACTERISTICS



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INDEX	PERFORMANCE
Sample positions	30
Sample volume	Minimum 20µL (check instruction for use of each)
Reaction temperature	25±0.5°C or 37°C±0.5°C
Assay Method	EIA
Assay Speed	(60~120) min /30tests
Calibration	Calibrator included in all reagent kits
Quality Control	Internal QC material included in all reagent kits
Test Combination	Different tests with the same reaction temperature
Photometer Light Source	LED
Filters	450nm/630nm
OD Resolution	0.001ABS
Range of OD	0.000~3.000ABS
Accuracy of Filters	≤±3nm
Half width of Filters	≤12nm
Linearity of OD	0.000~3.0000A, r≥0.98
Repeatability of OD	CV≤5%
Accuracy & Fluctuation of Temperature	When operating at 25°C, offset ≤±0,5°C, Fluctuation ≤±0.4°C
Carry-over	≤1%
Accuracy and Precision of Priming	Offset ≤±5%, CV≤2%
Noise	<80dB
Dimension / Weight	680mmx600mmx500mm / 48kg
Voltage	AC 100-240V
Frequency	50/60Hz
Maximum power	350VA

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