

Thermo MGC 240 Immunoassay Analyzer



OVERVIEW

Run 240 tests per hour, handling up to 24 two-reagent immunoassays per run with the Thermo Scientific™ MGC 240 Benchtop Analyzer. This open, flexible system can be used for drugs of abuse screens and therapeutic drug monitoring including immunosuppressive diagnostic assays and specimen validity testing.

FEATURES

- Broad menu of immunoassays with multiple technology options
- Multiple channels: up to 24 two-reagent tests
- High throughput: 240 tests/hour 24-hour reagent cooling
- Barcoding capabilities
- Random access, true STAT interrupt capability
- Adapts to various primary tubes and sample cups
- Automatic cuvette QC
- Auto rerun, auto dilution, sample pre-dilution
- Re-suspension mixing for latex particles
- Auto alarms for washing and waste containers
- Air pressure mixing: no carry over
- Easy maintenance
- Distinctive air pressure mixing system: no mixing paddles
- No carry over: fewer washing steps

SPECIFICATIONS

System	Discrete, single line random access, multi-test analysis
Number of tests	24 items
Throughput	240 tests/hour
Analytical method	End point, rate assay
Calibration curve	Linear, spline, logit-log, exponential, polynomial
Reagent tray	24 sectors
Reagent bottle	20 mL, 40 mL, 60 mL
Reagent volume	20 - 330 µL (5µL step)
Reagent cooling temp.	5 – 15°C
Residual vol. Info.	Calculated by count down
Reagent identification	Position ID, bar-coded ID
Tray exchange	Possible with reagent bottles
Run monitor	Operation status watching
Reaction monitor	Reaction curve graphic
Quality control	Westgard multi-rule
Auto message	Visual and audio "Sampling stop", "End of analysis" etc.
Data storage capacity	Test results: 9999 tests
Power supply	AC110/115/230v50/60Hz
Ambient temperature	15 – 30°C
Dimensions	31(W) x 25(D) x 21(H) inches
Weight	Approx. 180 lbs
Reaction liquid vol.	200 µL min. 400 µL max.
Reaction time	10 min. (1st reaction: 5 min., 2nd reaction: 5 min.)
Reaction temperature	37°C ± 0.1°C
Wavelength	2 wavelengths (340-800 nm)
Light source	Tungsten halogen lamp (2000 hours type)
Linear range	OD 0 – 2.5
Cuvette washing	By automatic washing system
Reaction waste	Reaction waste collection pump (option)
Water supply/drain	3.5 liters/hour
Sample container	Cup, primary tube
Sample number	40 samples, 30 with barcodes
Sample tray number	10 max. (8 trays are supplied)
Sample volume	3 - 30 µL (0. 5µL step)
Automatic dilution	Dilution ratio: 1 ~ 10
STAT sample measurement	Interruption permitted even during analysis
Sample identification	Position ID, bar-code ID

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