

tersaco



Santhia 240 Premium
Multifunction random
access clinical chemistry



santhia 240 premium

Analysis	System type	Random/Urgent (sample attribute)
	Throughput	Up to 220 tests/h (fixed cycle)
	Analysis method	Endpoint, Bichromatic endpoint, Differential endpoint, Differential endpoint sample blank, Fixed Time, Kinetic, Kinetic bichromatic
	Calibration	Up to 8 points per test method (linear, spline, logit-log, etc.)

Sample	Sample tray	Removable tray, 32 positions
	Sample container	Tubes 12–13 mm x 75 mm or cups on adapter (1mL)
	Sample volume	2–300 µL
	Dilution	In-needle dilution if allowed by method's sample volumes Automatic pre-dilution in reaction cuvette, up to 1:100
	Sample barcode	Internal barcode reader

Reagent	Bottle volume	40 mL, 25 mL, 15 mL, 2 mL
	Reagent volume	5–350 µL
	Reagent storage	Reagent tray cooling 13°C below room temperature
	Reagent tray	Removable rack, 32+32 bottles
	Reagent barcode	Internal barcode reader
	Dead volume	No dead volume – consumption of reagents to the last drop

Pipetting system	Sampling arm	1 sampling needle washed internally and externally Capacitive liquid level detector
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Reaction	Cuvette	80 washable BIONEX® cuvettes
	Reaction volume	190–350 µL
	Reaction time	Maximum incubation + reading time: 800 seconds
	Reaction temperature	37°C (heating unit can be set from room temperature up to 42°C)
	Optical measurement	8 fixed wavelengths (340–700 nm), 1 free position, 1 for dark reading
	Optical source	1 halogen lamp (6V, 10W) with extended UV emission
	Optical path	6 mm
	Cuvette washing	8 step washing sequence for each cuvette

User interface	Communication	USB port
	Printing reports	Single test, complete sample, work sheet, method and QC
	Power supply	100–240 V, 50/60 Hz
	Dimensions	54 x 60 x 64 cm (W x D x H)
	Weight	40 kg

Clinical Chemistry

ALBUMIN	CERULOPLASMIN	HDL DIRECT	RF
ALP	CHLORIDE	IgA	TOTAL PROTEIN
ALT	CHOLESTEROL	IgE	TRANSFERRIN
AMYLASE	CHOLINESTERASE	IgG	TRIGLYCERIDES
ANTITHROMBIN III	CK-MB	IgM	UREA
APOLIPOPROTEIN A-I	CK-NAC	IRON	URIC ACID
APOLIPOPROTEIN B	CREATININE ENZ	LDH	URINARY & CSF PROTEINS
ASO	CREATININE JAFFE	LDL DIRECT	α-1-ANTITRIPSIN
AST	CRP	LIPASE	α-1-GLYCOPROTEIN ACID
BILIRUBIN DIRECT	D-DIMER	Lp(a)	β-2-MICROGLOBULIN
BILIRUBIN TOTAL	FERRITIN	MAGNESIUM	γ-GT
C3	GLUCOSE	mALB	
C4	HAPTOGLOBIN	PHOSPHORUS	
CALCIUM	HbA1c	PREALBUMIN	