tersaco santhia 200

System specifications



Continuous

sample loading

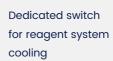




Sample type: primary tubes or pediatric cups

Available both as

open and closed



Level sensors

for wash and

waste tank



check

Throughput up to

200 tests/hour



Samples automatic Run time optical dilution (pre, post cuvette quality and rerun)



Less than 1 L/h water consumption



Quality control program



system

Minimum maintenance

Test panel

santhia 200

Clinical Chemistry

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Albumin Cholesterol HDL Direct Glucose UV Magnesium Alkaline Phosphatase Cholesterol LDL (Calculated) GOT Myoglobin Amylase Bicarbonate Cholinesteras Phosphorus CK-MB Bilirubin Direct Hemoglobin A1C (HBA1C) **Total Proteins** Bilirubin Total CK-NAC Homocysteine (HCY) Triglycerides Calcium Creatinine Iron Urea Gamma GT Chloride LDH Uric Acid Cholestero Glucose Zinc Lipase

Immunochemistry



Anti-Streptolysin O (ASO) C-Reactive Protein (CRP) Immunoglobulin A (IGA) Immunoglobulin G (IGG) Immunoglobulin M (IGM) Rheumatoid Factor (RF)



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Multifunction random access clinical chemistry santhia 200



Continuous sample loading and reagents refilling Random access and stat, re-run sample worklists Walk away capability with real time alarm Levey-jennings plots

and westgard multi rules

Up to 3 QC levels per test, qc monitor and reports Method statistics: including test counter, CV%, mean, graphical trend analysis Automatic pre and post dilution Active reagent monitoring (volumes,

available tests, calibration, qc status)

Up to 8 calibrators per method. Dynamic autodilution of standards Bi-directional lis Positive identification of samples with internal barcode reader

Printing on any windowscompatible printer in most common formats

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santhia 200

Multifunction random access clinical chemistry analyzer with wide range of testing possibilities

Dedicated to small & mid size, laboratories, doctor's offices, hospitals, clinics





Low reagent consumption



24 minutes of reaction time



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Up to 4 reagents handling



Technical features

Random access, stat, continuous sample loading

Analysis

Throughput up to 200 tests / hour End point, differential, fixed time, kinetic Calibration up to 8 points for each analysis (linear, spline, logit-log, etc.)

Reagent handling: automatic up to 4 reagents up to 24 minutes of cuvette reaction time

Sample

Removable tray Up to 48 samples on board in primary tubes 75 mm or pediatric cups 1.5 ml Sample volume: 1.5 – 100 µl Barcode scan during sample processing Automatic pre and post dilution Test profiles and replicates

Reagent

Removable tray Up to 64 reagents on board Reagent bottles available in different volumes: 13 ml, 25 ml and 40 ml Reagent tray cooling for all positions Reagent volume: 2-350 µl Barcode scan for reagent identification

Controls

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Reaction volume: 180-350 µl 6 mm optical path cuvette 45 reusable plastic cuvettes Reaction temperature 37°C

Pipetting system

Ceramic piston diluter, maintenance free Needle impact detection Needle capacitive liquid level detection

Optical system

Spectral range: 290-1100 nm Interferential filters wavelengths: 340, 405, 505, 546, 578, 630, 660, 700 nm Photometric linearity: 0-2.5 od; resolution 0.0001 od Optical source: tungsten halogen lamp (long life, auto-power off) Optical range: 0.5 od (10 mm conversion)

Washing

10 steps (5×2) cuvette wash station Pipetting needle auto-washed internally and externally Water consumption: less than 1 l/h Level sensor on waste and wash tanks

User interface

External computer required, Windows® based Communication: USB port or serial RS232 Various print-out format for patient results Software usable for touch screen Multi language software

Dimensions

54×44×64 cm (W×D×H)

Weight

37 kg

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