

CAROLINA BIOLIS 24i TECHNICAL SPECIFICATIONS

Throughput

- 400 tests/hour
- 240 colorimetric plus 160 ISE

Sample Handling

- Sample Type - Serum, plasma, urine
- Primary tube (5, 7, 10 mL) and sample cups
- 55 position sample tray
- 3 to 30 ul sample size
- Sample volume level detection

Reagents

- Liquid ready-to-use
- Barcoded
- 39 tests on-board
- Tracks tests remaining
- 30-day on-board stability
- Reagent level detection

Software

- Windows XP-based
- Bi-directional LIS interface - RS-232
- Automatically programs patient ID and tests
- Barcodes - Code 39, Code 128, ITF, NW-7
- Levy Jennings QC monitoring
- Water, wash, and waste alarms
- Preventative maintenance screen

Reaction

- 60 self cleaning semi-permanent cuvettes
- Automatic 10-step, high temp, cuvette washing
- Alkaline, acid, and water cuvette washing
- Displays graphic reaction curve
- Solid state 37°C ± 1°C reaction temperature
- Dual chamber cuvette reagent mixing

Method

- End Point, Rate, ISE, Turbidimetry
- Stat interrupt
- Calculated results
- Auto dilution and rerun of out of range results
- Sample pre-dilution (1/10)
- Antigen excess detection

Measuring Principle

- Bi-chromatic
- Automatic, Discrete, Random Access
- Wavelengths - 340, 380, 405, 505, 546, 570, 600, 700, 750, 800nm
- Automatic cell blank correction
- Tungsten halogen lamp

Calibration

- Chemistry - 14-day stability
- ISE - 24-hour stability
- Single point, Multi-point
- Linear, Spline, Logit-log

Physical

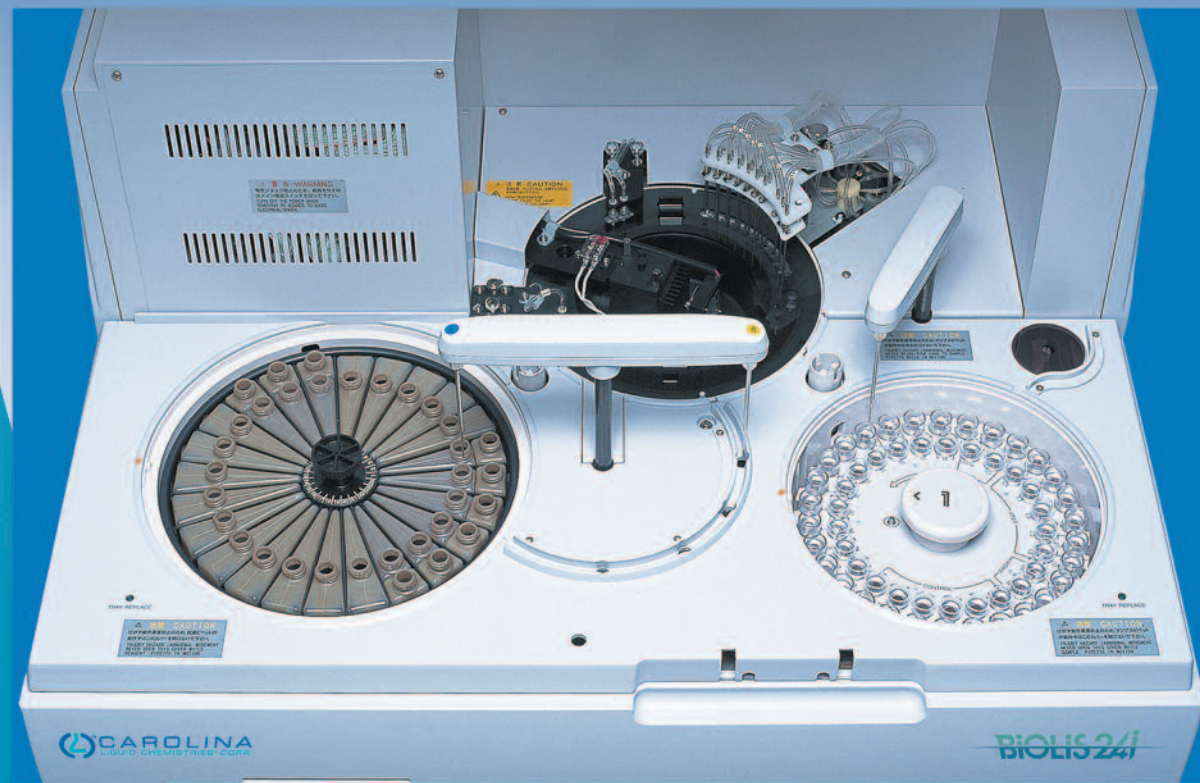
- Size - 20" high, 25" deep, 31" wide
- Electrical - 110/115AC, 50/60 HZ
- Weight - 208 lbs
- Water/Drain - Self Contained
- Peltier Reagent Cooling - 2° to 8°C
- Internal Printer

CAROLINA BIOLIS 24i BENCH TOP CHEMISTRY ANALYZER



CAROLINA BIOLIS 24i FEATURES

- 400 tests per hour
- Requires no disposable cuvettes
- 100 chemistry tests available
- Barcoded sample tubes
- Barcoded reagents
- Bi-directional interface
- Electrolytes by ion selective electrodes
- 30-day on-board reagent stability
- 14-day calibration stability
- 24 hour reagent cooling



CAROLINA BIOLIS 24i TEST MENU

Acetaminophen	Cystatin C	Oxycodone
Acid Phos	hsCRP	Pancreatic Amy
Albumin	D-dimer	Phenobarbital
Alcohol	Digoxin	Phenytoin
Alk Phos	Direct Bilirubin	Phosphorus
ALT	Enzymatic Creatinine	Phosphorus, urine
Amikacin	Fibrinogen	Potassium
Ammonia	Fructosamine	Potassium urine
Amphetamine	Gentamicin	Prealbumin
Amylase	GGT	Primidone
APO A1	Glucose	Procainamide
APO B	Glucose, urine	Propoxyphene
ASO	Haptoglobin	Quinidine
AST	HBD	RF
Barbiturate	HDL-direct	Salicylate
Benzodiazepine	HbA1c	Sodium
BUN	Homocysteine	Sodium,urine
BUN, urine	hsCRP	Theophylline
C3	IgA	Thyroxine (T4)
C4	IgG	TIBC
Calcium	IgM	TIBC Direct
Calcium, urine	Insulin	Tobramycin
Cannabinoid	Iron	Total Bile Acids
Carbamazepine	Lactate	Total Bilirubin
Chloride	LP(a)	Total Protein, urine
Chloride, urine	LDH	Transferrin
Cholesterol	LDL-direct	Tricyclic
Cholinesterase	Lidocaine	Triglycerides
CK	Lipase	T-Uptake
CK-MB	Lithium	UIBC
CO2	Magnesium	Uric Acid
Cocaine	Methadone	Uric Acid, urine
Cotinine	Methaqualone	Valproic Acid
Creat, urine	Microalbumin	Vancomycin
Creatinine	NAPA	
CRP	Opiate	
CRP wide-range		

REAGENTS

BARCODED

Automatically tracks reagent stability and position

LIQUID

Ready-to-use (no reagent preparation)

CARTRIDGE

Prefilled 100 and 200 test cartridges

QUALITY CONTROL

Assayed for Carolina reagents with intra-laboratory peer group survey.

SUPPORT

In lab training

Two days operator and maintenance training

Installation

Includes linearity, correlation study and system verification

Service

24-hour in-lab response time and one PM per year

One Year Warranty

Hot Line

