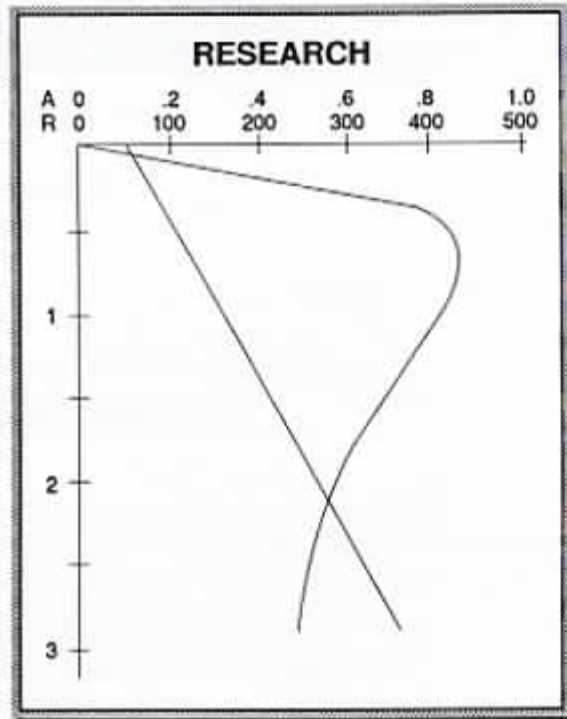
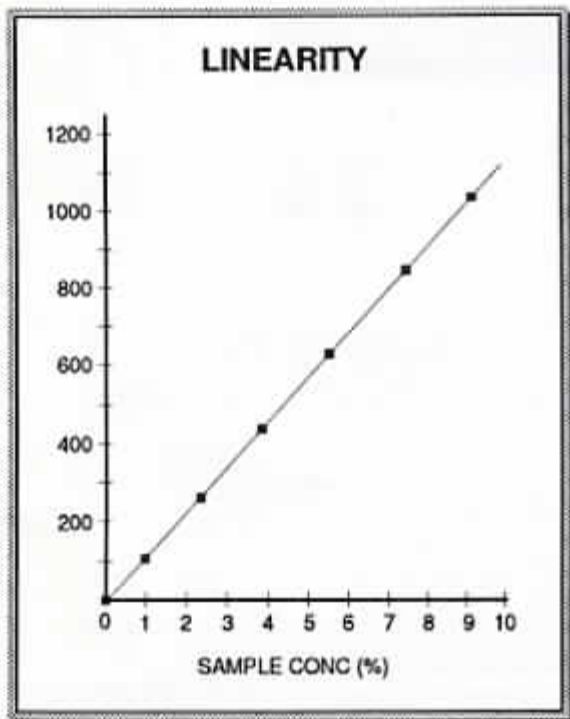
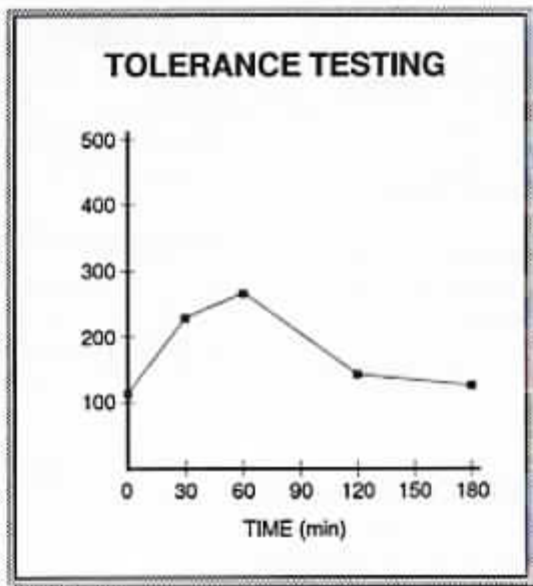


Cyberchem[®]

Windows on Clinical Chemistry. . .



Cyberchem...

introduces **graphic reporting**—for tolerance testing, analyte monitoring, and special chemistry applications. The graphic reports are easy to generate and report headings and scales may be customized with a few easy steps.

An electronic pipette controlled by the instrument's microprocessor allows each test to be preprogrammed with optimum assay volumes and automatically initiates the analysis at the start of the reaction for appropriate tests.

92 test channels and 6 test panels, that are fully reprogrammable, and customized 8.5 x 11" patient reports are available. In addition to simplified processing of small test groups with a single ID entry, the test panels allow automation of test calculations for Creatinine Clearance, TIBC, Hb A, and LDL Cholesterol. The user also may customize test calculations for ratio, %, difference, difference ratio, etc.

A Line Listing Log provides a printed record of all the analyses performed and the supporting data required for record keeping.

A sleep mode, that allows instant stat availability, stops microprocessor activity and places the instrument in a low-power standby state. If a power interruption or brownout occurs, sleep mode is automatically entered as a safeguard against data loss.

Special Chemistries

Glucose Tolerance Test • Lactose Tolerance Test • Automated Creatinine Clearance Test • CK-MB • Amylase • Lipase • Aldolase • 5'-ND Ammonia • Urine Protein • Magnesium • PAP • LDL Cholesterol • Serum Iron • TIBC • Lactate • β -HBA • Alcohol • Toxicology Screens • G-6-PDH • Cholinesterase • Glycohemoglobin

Automatic Test Linearity Graphs

A single elevated control or calibrator can be used to create a 7 data point Test Linearity Graph. Cyberchem automates the analysis and report generation process to provide Linearity Graphic Reports in 15 minutes.

Automatic Rerun

For out-of-range test results requiring rerun, just press the RERUN key and repeat the assay. Cyberchem automates the dilution and multiplication process.



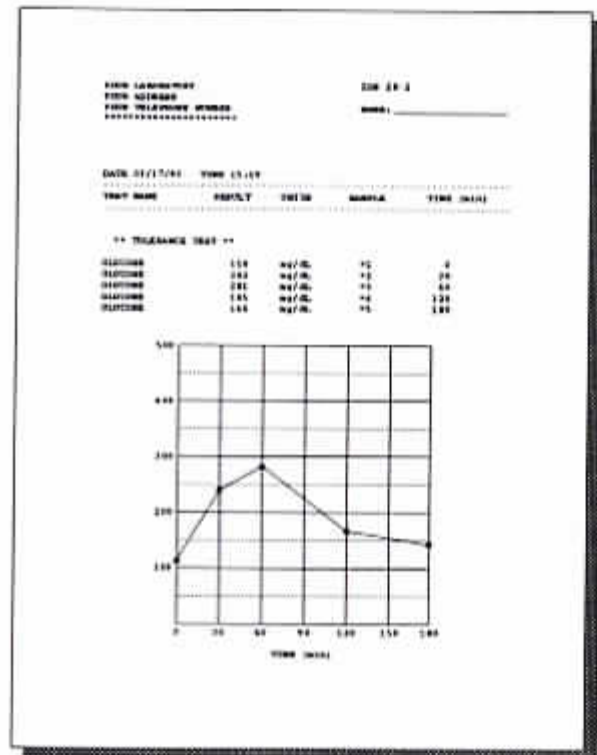
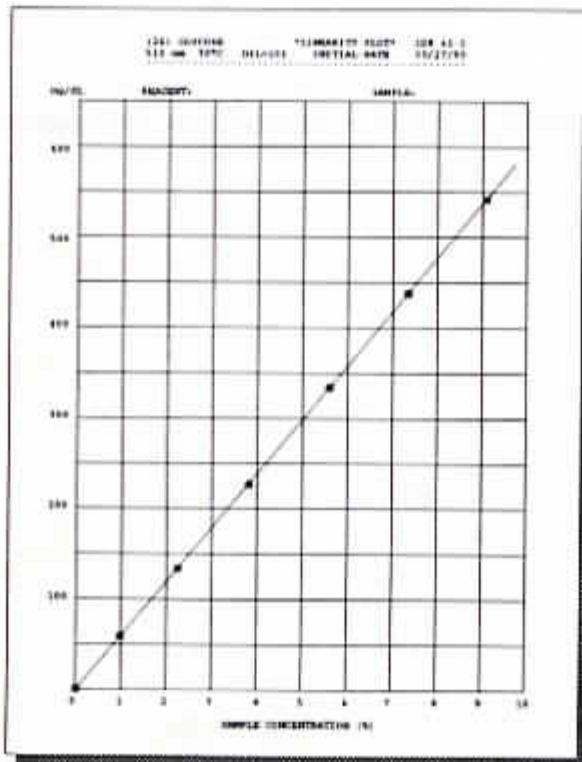
Research and Reagent QC

A Reaction Plotting Mode allows simultaneous plotting of absorbance and rate during the analysis. Scales can be customized for the test, and all test conditions are printed on the report. Reaction plotting of rate provides a sensitive indicator of small changes in reaction velocity and is a useful tool for studies of reaction kinetics and for quality control monitoring of reagents.

For research studies, a grid-blanking option allows overlays of multiple reaction curves. This option can be used for comparing multiple analyses with different reaction conditions, and to illustrate effects of interfering substances on reaction kinetics.

Applications

Medical Research Laboratories
 Large and Small Hospitals
 Special Chemistries and STATS
 Emergency Room
 Pediatrics and Geriatrics
 Glucose & Lactose Tolerance Testing
 Renal Clearance Testing
 Cardiac Assessment and Monitoring
 Clinics and Private Labs
 Post operative Analyte Monitoring
 Reagent QC and Performance Studies
 Drug Testing



Glucose Tolerance Testing

Up to 7 samples per patient ID can be analyzed and the results printed on an 8.5" x 11" customized patient report that includes graphical representation of the test results.

Analyte Monitoring

Is similar to Tolerance Testing. Up to 7 samples per patient ID can be analyzed and printed on a customized patient report that includes a graph of test results versus time in minutes, hours or days.

QC Reports

- Instrument self-testing Diagnostics and Comprehensive Report that includes calibration verification and linearity check to simplify compliance with CLIA requirements.
- Precision Study with automatic calculation of mean, SD, CV, and data showing relevant conditions of study.
- Test Linearity Report with graph showing the acceptable range for analyses.

Routine Chemistries

Glucose • Urea Nitrogen • Creatinine • ALP
 LDH • CK • ALT • AST • GGT • Total Protein
 Cholesterol • Albumin • Uric Acid • Bilirubin
 Calcium • Phosphorus • Triglycerides

Specifications

Display	12-character alphanumeric LED and 8 LED status bar indicators	Source	Low-pressure mercury-fluorescent with softstart driver for extended source life (9000 hours)
Sample	5 μ L – 200 μ L of serum, plasma, urine or CSF. Automatically loads test volume for sample, sample rerun, or R2.	Wavelength	340nm, Hg405, 510nm, Hg546, Hg578
Readout Range	.000 – 9999	Bandwidth	10nm, <1nm, 10nm, <1nm, 2nm
Absorbance Range	.000 – 2.400	Stray Light	< 0.05% @ 340 nm
Photometer	Precision temperature-controlled photometer with dual-beam optics for long-term photometric stability.	Digital Outputs	Separate RS232 outputs for printer and pc computer interfacing
Temperature	25, 30, 37°C. (\pm 0.1°C). Uses fail-safe temperature monitoring with separate sensors for control and monitoring.	Ambient Temp.	operating +18°C to +32°C for 30/37°C +18°C to +27°C for 25°C non-operating -20°C to +60°C
Incubator	12 integral dry-wells and measuring well have well-to-well and long-term temperature variation within \pm 0.1°C.	Humidity	10% to 80% RH
Cuvettes	Disposable polystyrene with 10 mm light path	AC Voltage	110-120 V / 220-240 V, 50/60 Hz
Analysis Modes	Kinetic, Endpoint, Endpoint with sample blanking, Peak-rate initial-rate, Fixed-time initial-rate, High-sensitivity peak-rate immunoassay mode, High-sensitivity kinetic enzyme mode, Multitest calculation mode.	AC Power	Standby Approx. 18 W Analysis Approx. 30 W Warm-up Max. 50 W
Curve Correction	4 stored curve models	Dimensions (HxWxD)	21.0 x 37.5 x 35.0 cm 8.25 x 14.75 x 13.75 in
		Shipping Weight	13.6 kg (30 lb)
		Printer	Ink Jet with 8.5" wide Z-fold paper H9.0 x W29.0 x D21.0 cm, 12 Watts 3.54 x 11.4 x 6.26 in Shipping Wt. 5.5 kg (12.1 lb)



BioKinetix

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