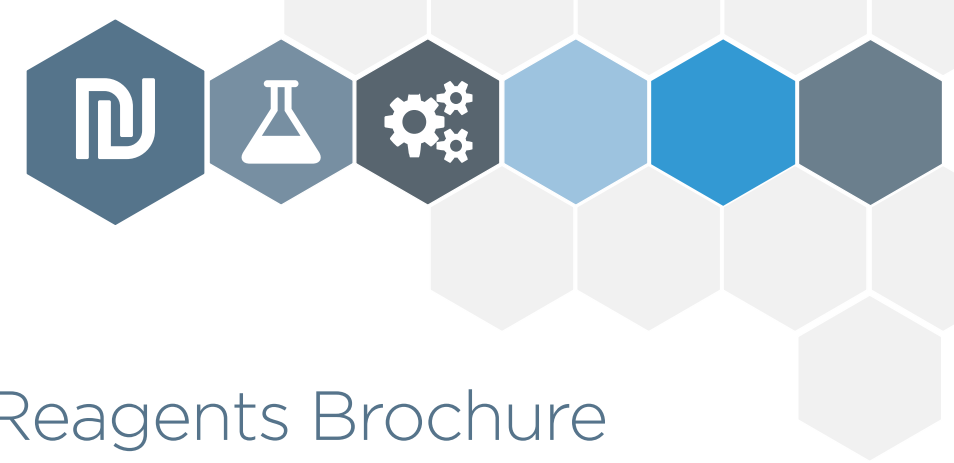




Clinical Chemistry Reagents Brochure

STANBIO[®]Chemistry

EKF | Central
Laboratory



Welcome to our Reagents Brochure

EKF Diagnostics' Stanbio Chemistry menu includes liquid-stable reagents, calibrators, standards and controls that can be used on most main brand analyzers including Cobas, Architect, Dimension and Hitachi.

Our LiquiColor® and Liqui-UV® chemistry reagents are designed for ease of use and maximum stability.

- Stability up to the expiration date, even after opening the bottle
- Ready to use at any time, many with no-measure reagent preparation
- Economical choice of reagent kits
- Avoids reconstitution errors and water contamination

Stanbio Chemistry products are manufactured in our FDA regulated facility in Boerne, Texas. All stages of the manufacturing process are based on strict Current Good Manufacturing Practice regulations (cGMP). We also offer OEM and contract manufacturing services.



Our comprehensive chemistry range



Blood Disorders & Sepsis

- Iron & Total Iron Binding Capacity Test
- Procalcitonin Bi-Level control
- Procalcitonin calibrator
- Procalcitonin LiquiColor®

Diabetes

- Glucose LiquiColor® (Enzymatic)
- Glucose Liqui-UV® (Endpoint)
- Glucose Standard
- Glycated Serum Protein (GSP) calibrator
- Glycated Serum Protein (GSP) control set
- Glycated Serum Protein (GSP) LiquiColor®
- Glycohemoglobin (HbA1c) Direct control
- Glycohemoglobin Bi-Level control
- Glycohemoglobin Direct (HbA1c)
- Glycohemoglobin Direct (HbA1c) calibrator
- Glycohemoglobin Pre-Fil Test
- Glycohemoglobin Test (HbA1 and HbA1c)
- β-Hydroxybutyrate / TDM Bi-Level controls
- β-Hydroxybutyrate / TDM Linearity standards
- β-Hydroxybutyrate / TDM Tri-Level controls
- β-Hydroxybutyrate LiquiColor®
- (Beckman Synchron CX/LX/DX)
- β-Hydroxybutyrate LiquiColor® (Endpoint)

Electrolytes

- Chloride LiquiColor®
- Chloride Liqui-UV®
- Magnesium LiquiColor®
- Phosphorus Liqui-UV®
- Potassium Liqui-UV®
- Potassium Test
- Sodium LiquiColor®
- Sodium Test

Hepatic

- Albumin LiquiColor®
- Alkaline Phosphatase LiquiColor® (Rate)
- ALT/ SGPT Liqui-UV® (Rate)
- AST/ SGOT Liqui-UV® (Rate)
- Bilirubin Direct LiquiColor®
- Bilirubin Direct LiquiColor® (DCA)
- Bilirubin Total & Direct LiquiColor®
- Bilirubin Total LiquiColor®
- Bilirubin Total LiquiColor® (DCA)
- CO₂ (Sirrus and Altair only)
- Cyanmethemoglobin Standard
- Gamma-GT LiquiColor®
- LDH Liqui-UV®
- Protein Micro LiquiColor® (CSF/ Urine)
- Protein Total LiquiColor®

Kidney & Renal

- Calcium (Arsenazo) LiquiColor®
- Calcium (CPC) LiquiColor®
- Creatinine LiquiColor® (Endpoint)
- Creatinine LiquiColor® (Kinetic)
- Protein Micro LiquiColor® (CSF/ Urine)
- Protein Total LiquiColor®
- Urea Nitrogen (BUN) Liqui-UV® (Rate)
- Urea Nitrogen (BUN) Test
- Urea Nitrogen Standard
- Uric Acid LiquiColor® (Enzymatic)

Lipids

- Cholesterol LiquiColor® (Enzymatic)
- Cholesterol Standard
- Cholesterol, Direct (HDL/ LDL) calibrator
- Cholesterol, HDL, Direct LiquiColor®
- Cholesterol, HDL, Test
- Cholesterol, LDL, Direct LiquiColor®
- Triglyceride LiquiColor® (Mono)
- Triglyeride LiquiColor® (Enzymatic)

Our best selling chemistry reagents

β-Hydroxybutyrate LiquiColor® assay

- Quick and simple testing for ketosis
- Earlier detection of clinically significant ketosis
- Improved ER and CDU throughput and efficiency
- Greater precision and sensitivity



Glycated Serum Protein LiquiColor® assay

- 2-3 week indicator of average blood glucose
- Provides superior specificity and accuracy compared to fructosamine assays (NBT method) for monitoring and assessment of short-term to medium-term (past 2-3 week period) average blood glucose levels
- Complementary to HbA1c in diagnosis and screening of diabetes
- For use on a variety of clinical chemistry analyzers



Procalcitonin LiquiColor® assay

- No sample splitting required helps reduce lab tech processing time
- Liquid stable reagent that's ready to use
- Ten-minute on board method minimizes impact on analyzer workflow
- Can be automated with existing chemistry line for improved work flow
- Six-point calibration eliminates need to perform bi-annual linearity
- Four-week on-board stability reduces waste
- No unit-dose packaging to buy
- Reagent, calibrator and control sets sold separately to reduce waste
- Correlates well with proprietary closed system



PCT is currently unavailable for sale in France, Spain, Germany, Austria and Italy.

Blood disorders & Sepsis

Stanbio Laboratory continues to offer the broadest range of liquid-stable clinical chemistry reagents available worldwide. Our line of LiquiColor® and Liqui-UV® reagents are designed for maximum stability, ease-of-use and are optimized for today's chemistry analyzers.

Iron & Total Iron Binding Capacity Test

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0370-110	Reagent		Ferrozine	110 tests R: 115 mL Buffer 1: 1 x 125 mL Buffer 2: 1 x 125 mL STD: 1 x 30 mL (500 mg/dL)	Up to 30 days	1000 mg/dL	560

Procalcitonin Bi-Level control

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2320-203	Control		Lyophilized, requires reconstitution	2 x 3 mL	-	-	-

Procalcitonin calibrator

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2310-501	Calibrator		Lyophilized, requires reconstitution	5 x 1 mL	-	-	-

Procalcitonin LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2300-060	Reagent		Latex enhanced immunoturbidimetric	R1: 1 x 45 mL R2: 1 x 15 mL	Up to 30 days	0.17 - 50 ng/dL	600



Diabetes



Glucose LiquiColor® (Enzymatic)

Reference Number	Type	Media	Methodology	On-board stability	Contents	Linearity	Read (mm)
1070-125	Reagent		Trinder	Up to 30 days	R: 1 x 250 mL STD 1 x 3 mL (100 mg/dL)	400 mg/dL	500
1070-500	Reagent		Trinder	Up to 30 days	R: 2 x 250 mL STD 1 x 3 mL (100 mg/dL)	400 mg/dL	500
1071-001	Reagent		Trinder	Up to 30 days	R: 1 x 1000 mL	400 mg/dL	500

Glucose Liqui-UV® (Endpoint)

Reference Number	Type	Media	Methodology	On-board stability	Contents	Linearity	Read (mm)
1060-500	Reagent		Hexokinase	Up to 30 days	R1: 4 x 105 mL R2: 1 x 80 mL STD: 1 x 3 mL (100 mg/dL)	500 mg/dL	340

Glucose Standard (100 mg/dL)

Reference Number	Type	Media	Methodology	On-board stability	Contents	Linearity	Read (mm)
1072-030	Standard		-	-	1 x 30 mL	-	-

Glycated Serum Protein (GSP) calibrator

Reference Number	Type	Media	Methodology	On-board stability	Contents	Linearity	Read (mm)
2360-401	Calibrator		Lyophilized, requires reconstitution	-	Cal 1: 2 x 1 mL Cal 2: 2 x 1 mL	-	-

Glycated Serum Protein (GSP) control set

Reference Number	Type	Media	Methodology	On-board stability	Contents	Linearity	Read (mm)
2370-401	Control		Lyophilized, requires reconstitution	-	Level 1: 2 x 1 mL Level 2: 2 x 1 mL	-	-



Glycated Serum Protein (GSP) LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2350-062	Reagent		Enzymatic	R1: 1 x 50 mL R2: 1 x12.5 mL	Up to 30 days	21.0 - 1354.0 µmol/L	546

Glycohemoglobin (HbA1c) Direct control

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0355-201	Control		Purified Lipid hemolysate	2 x 0.5 mL	-	-	-

Glycohemoglobin Bi-Level control

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0357-201	Control		Purified Lipid hemolysate	2 x 1 mL	-	-	-

Glycohemoglobin Direct (HbA1c)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0360-040	Reagent		Turbidimetric immunoassay	R1: 1 x 30 mL R2a: 1 x 9.5 mL R2b: 1 x 0.5 mL R3 (lysing): 1 x 125 mL	Up to 30 days	2 - 16% HbA1c	600

Glycohemoglobin Direct (HbA1c) calibrator

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0365-401	Calibrator	Powder		4 x 0.5 mL	-	-	-

Glycohemoglobin Pre-Fil Test

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
P350-050	Reagent		Optimised Ion-exchange resin procedure	50 tests STD: 1 x 1mL		HbA1 4 - 20% HbA1c 2.6 - 16%	415



Glycohemoglobin Test (HbA1 and HbA1c)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0350-060	Reagent		Optimised Ion-exchange resin procedure	60 tests STD: 1 x 1 mL	-	HbA1: 4 - 20% HbA1c: 2.6 - 16%	415

β-Hydroxybutyrate / TDM Bi-Level controls

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2465-605	Control		Liquid-ready-to-use	6 x 5 mL	-	-	-

β-Hydroxybutyrate / TDM Linearity standards

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2450-604	Standard		Liquid-ready-to-use	6 x 4 mL	-	-	-

β-Hydroxybutyrate / TDM Tri-Level controls

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2460-605	Control		Liquid-ready-to-use	6 x 5 mL	-	-	-

β-Hydroxybutyrate LiquiColor® (Beckman Synchron CX/LX/DX)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
B2440-180	Reagent		β-Hydroxybutyrate dehydrogenase /INT	2 x 90 tests	Up to 30 days	8.0 mmol/L	520

β-Hydroxybutyrate LiquiColor® (Endpoint)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2440-058	Reagent		β-Hydroxybutyrate dehydrogenase / INT	R1: 1 x 50 mL R2: 1 x 8.5 mL STD: 1 x 3 mL (1 mmol/L)	Up to 30 days	8.0 mmol/L	505

Electrolytes



Chloride LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0210-250	Reagent		Mercuric Thiocyanate	R: 1 x 250 mL STD: 1 x 3 mL (100 mEq/L)	Up to 30 days	70 - 120 mEq/L	500

Chloride Liqui-UV®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0215-125	Reagent		Innovative colormetric	R1: 4 x 25 mL R2: 1 x 25 mL	Up to 50 days	40 - 70 mmol/L	340

Magnesium LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0130-430	Reagent		Xylidyl blue	R: 4 x 30 mL STD: 1 x 3 mL (2 mEq/L)	Up to 30 days	4.3 mEq/L	520

Phosphorus Liqui-UV®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0830-125	Reagent		Phosphomolybdate	R: 1 x 250 mL STD: 1 x 3 mL (10 mg/dL)	Up to 30 days	20 mg/dL	340

Potassium Liqui-UV®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0175-125	Reagent		Enzymatic - K+ dependent pyruvate kinase	R1: 4 x 25 mL R2: 1 x 25 mL	Up to 30 days	2 - 8 mmol/L	340

Potassium Test

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0160-050	Reagent		Turbidimetric immunoassay	50 test STD: 1 x 3 mL (4 mmol/L)	-	10 mmol/L	580

Sodium LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0185-112	Reagent		Enzymatic Na+ dependent β-galactosidase	R1: 4 x 21 mL R2: 1 x 28 mL	Up to 30 days	100 - 180 mmol/L	405

Sodium Test

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0140-050	Reagent		Uranyl acetate	50 tests STD: 1 x 6 mL (140 mmol/L)	-	160 mmol/L	420

Hepatic



Albumin LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0285-500	Reagent		Bromocresol green reaction (BCG)	R: 2 x 250 mL STD: 1 x 3 mL	Up to 30 days	7 g/dL	550

Alkaline Phosphatase LiquiColor® (Rate)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2900-430	Reagent		P-nitrophenylphosphate	R1: 4 x 25 mL R2: 1 x 20 mL	Up to 14 days	800 U/L	405
2900-500	Reagent		P-nitrophenylphosphate	R1: 4 x 105 mL R2: 1 x 20 mL	Up to 14 days	800 U/L	405

ALT/ SGPT Liqui-UV® (Rate)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2930-430	Reagent		IFCC recommended procedure	R1: 4 x 25 mL R2: 1 x 20 mL	Up to 30 days	600 U/L	340
0285-500	Reagent		IFCC recommended procedure	R1: 4 x 105 mL R2: 1 x 20 mL	Up to 30 days	600 U/L	340

AST/ SGOT Liqui-UV®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2920-430	Reagent		IFCC recommended procedure	R1: 4 x 30 mL R2: 1 x 20 mL	Up to 30 days	600 U/L	340
2920-500	Reagent		IFCC recommended procedure	R1: 4 x 105 mL R2: 1 x 20 mL	Up to 30 days	600 U/L	340

Bilirubin Direct LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0245-250	Reagent		Modified Walters-Gerarde	R1: 1 x 250 mL Oxidant: 1 x 15 mL	-	10 mg/dL	540

Bilirubin Direct LiquiColor® (DCA)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0235-450	Reagent		DCA (2, 4-Dichloroaniline)	R1: 3 x 120 mL R2: 1 x 90 mL	Up to 30 days	10 mg/dL	550

 Liquid Reagent

 Powder Reagent



Bilirubin Total & Direct LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0260-200	Reagent		Modified Walters-Gerarde	R1: 1 x 100 mL R2: 1 x 100 mL Oxidant: 1 x 15 mL Calibrator: 1 x 6 mL (10 mg/dL)	-	10 mg/dL (direct) 20 mg/dL (total) ¹	540

Bilirubin Total LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0240-080	Reagent		Modified Walters-Gerarde	R1: 1 x 250 mL Oxidant: 1 x 15 mL Calibrator: 1 x 6 mL (10 mg/dL)	-	20 mg/dL	540

Bilirubin Total LiquiColor® (DCA)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0230-450	Reagent		DCA (2, 4-Dichloroaniline)	R1: 3 x 120 mL R2: 1 x 90 mL	Up to 30 days	0.07 - 30 mg/dL	540

CO₂ (Sirrus kit)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
S0190-750	Reagent		Phosphoenolpyruvate carboxylase	750 tests	Up to 30 days	50 mEq/L	405

Cyanmethemoglobin Standard

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0325-006	Standard			6 x 15 mL	-	20 g/dL	540

Gamma-GT LiquiColor® (Rate)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2960-430	Reagent		Modified Szasz	R1: 4 x 25 mL R2: 1 x 20 mL	Up to 30 days	800 U/L	405
2960-500	Reagent		Modified Szasz	R1: 4 x 105 mL R2: 1 x 20 mL	Up to 30 days	800 U/L	405



LDH Liqui-UV® (Rate)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2940-430	Reagent		Modified wacker	R1: 4 x 25 mL R2: 1 x 20 mL	Up to 30 days	800 U/L	340
2940-500	Reagent		Pyrogallol red / Colorimetric	R: 1 x 250 mL STD: 1 x 3 mL (100 mg/dL)	Up to 30 days	800 U/L	340

Protein Micro LiquiColor® (CSF/ Urine)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0345-212	Reagent		Pyrogallol red / Colorimetric	R: 1 x 250 mL STD: 1 x 3 mL (100 mg/dL)	Up to 30 days	150 mg/dL	600

Protein Total LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0250-500	Reagent		Biuret reaction	R: 2 x 250 mL STD: 1 x 3 mL (10 g/dL)	Up to 30 days	10 g/dL	550



Calcium (Arsenazo) LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0155-225	Reagent		Arsenazo III	R1: 2 x 250 mL STD: 1 x 3 mL (10 mg/dL)	Up to 30 days	15 mg/dL	650

Calcium (CPC) LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0150-250	Reagent		Cresolphthalein Complexone	R1: 1 x 125 mL R2: 1 x 125 mL STD: 1 x 3 mL (10 mg/dL)	Up to 10 days	15 mg/dL	550

Creatinine LiquiColor® (Endpoint)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0430-120	Reagent		Enzymatic	R1: 3 x 30 mL R2: 1 x 30 mL STD: 1 x 5 mL (5 mg/dL)	Up to 30 days	30 mg/dL	550
0430-500	Reagent		Enzymatic	R1: 3 x 125 mL R2: 1 x 125 mL STD: 1 x 5 mL (5 mg/dL)	Up to 30 days	30 mg/dL	550

Creatinine LiquiColor® (Kinetic)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0420-500	Reagent		Jaffe	R1: 3 x 250 mL R2: 1 x 250 mL STD: 1 x 5 mL (5 mg/dL)	Up to 5 days	20 mg/dL	510

Protein Micro LiquiColor® (CSF/ Urine)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0345-212	Reagent		Pyrogallol red / Colorimetric	R: 1 x 250 mL STD: 1 x 3 mL (100 mg/dL)	Up to 30 days	150 mg/dL	600

Protein Total LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0250-500	Reagent		Biuret reaction	R: 2 x 250 mL STD: 1 x 3 mL (10 g/dL)	Up to 30 days	10 g/dL	550



Urea Nitrogen (BUN) Liqui-UV® (Rate)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2020-430	Reagent		Modified urease	R1: 4 x 30 mL R2: 1 x 20 mL STD: 1 x 3 mL (30 mg/dL)	Up to 30 days	140 mg/dL	340
2020-500	Reagent		Modified urease	R1: 4 x 125 mL R2: 4 x 20 mL STD: 1 x 3 mL (30 mg/dL)	Up to 30 days	140 mg/dL	340

Urea Nitrogen (BUN) Test

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0580-250	Reagent		Diacetylmonoxime	250 tests STD 1: 1 x 3 mL (25 mg/dL) STD 2: 1 x 3 mL (50 mg/dL) STD 3: 1 x 3 mL (75 mg/dL)	-	80 mg/dL	520

Urea Nitrogen Standard (30 mg/dL)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
1022-030	Standard			1 x 30 mL	-	-	-

Uric Acid LiquiColor® (Enzymatic)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
1045-430	Reagent		Trinder	R: 4 x 30 mL STD: 1 x 3 mL (8mg/dL)	Up to 30 days	20 mg/dL	520
1045-225	Reagent		Trinder	R: 2 x 250 mL STD: 1 x 3 mL (8mg/dL)	Up to 30 days	20 mg/dL	520



Cholesterol LiquiColor® (Enzymatic)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
1010-430	Reagent		Modified Trinder	R: 4 x 30 mL STD: 1 x 3 mL (200 mg/dL)	Up to 30 days	750 mg/dL	500
1010-225	Reagent		Modified Trinder	R: 4 x 250 mL STD: 1 x 3 mL (200 mg/dL)	Up to 30 days	750 mg/dL	500
1011-001	Reagent		Modified Trinder	R: 1 x 1000 mL	Up to 30 days	750 mg/dL	500

Cholesterol Standard (200 mg/dL)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
1012-030	Standard			1 x 30 mL	-	-	-

Cholesterol, Direct (HDL/ LDL) calibrator

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0595-003	Calibrator		Lyophilized human serum containing HDL and LDL	1 x 3 mL	-	-	-

Cholesterol, HDL, Direct LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0590-040	Reagent		Homogeneous method for direct HDL meas-urment	R1: 1 x 30 mL R2: 1 x 10 mL	Up to 30 days	150 mg/dL	600
0590-080	Reagent		Homogeneous method for direct HDL measurment	R1: 2 x 30 mL R2: 2 x 10 mL	Up to 30 days	150 mg/dL	600
0590-500	Reagent		Homogeneous method for direct HDL measurment	R1: 3 x 125 mL R2: 1 x 125 mL	Up to 30 days	150 mg/dL	600



Cholesterol, HDL, Test

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0599-020	Reagent		Mg/Dextran sulfate	R: 400 Test (1 x 20 mL) STD: 1 x 3 mL (50 mg/dL)	-	-	-

Cholesterol, LDL, Direct LiquiColor®

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
0710-080	Reagent		Homogeneous method for direct LDL measurment	R1: 2 x 30 mL R2: 2 x 10 mL	Up to 14 days	520 mg/dL	600

Triglyceride LiquiColor® (Mono)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2200-430	Reagent		Glycerolphosphate oxidase (GPO)	R: 4 x 30 mL STD: 1 x 2 mL (200 mg/dL)	Up to 30 days	1000 mg/L	500

Triglyceride LiquiColor® (Mono)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2200-225	Reagent		Glycerolphosphate oxidase (GPO)	R: 2 x 250 mL STD: 1 x 2 mL (200 mg/dL)	Up to 30 days	1000 mg/L	500

Triglyceride LiquiColor® (Enzymatic)

Reference Number	Type	Media	Methodology	Contents	On-board stability	Linearity	Read (mm)
2100-430	Reagent		Glycerolphosphate oxidase (GPO)	R1: 4 x 30 mL R2: 1 x 1.8 mL STD: 1 x 2 mL (200 mg/dL)	Up to 30 days	1000 mg/L	500
2100-225	Reagent		Glycerolphosphate oxidase (GPO)	R1: 2 x 250 mL R2: 1 x 5.2 mL STD: 1 x 2 mL (200 mg/dL)	Up to 30 days	1000 mg/L	500



Altair™ 240 chemistry analyzer

Central laboratory analyzers

Ordering information	Reference No.	Contents
Altair™ 240 with ISE module	G6600-001	1
Altair™ 240 Chemistry Analyzer without ISE module	G6000-001	1

Altair™ 240 consumables		
Systemic Solution Concentrate	A0310-001	1 x 1 liter
Cuvette Cleaner Concentrate	A0315-002	2 x 2 liters
Sample Cups (clear)	9950-001	1 bag of 1000
Extra Wash Cuvette Cleaner	A0300-002	1 x 2 liter
Probe Cleaner	A0305-320	9 x 36 wash-es
R1 Bottles Set - bottles & caps	A0400-020	20 x bottles/caps
R2 Bottles Set - bottles & caps	A0405-020	20 x bottles/caps
Altair 240 Tube Holders	P3140000269	1 x 10 pieces

Altair™ 240 ISE module consumables		
ISE Reagent Pack (Cal. A & Cal. B)	S3141000290	1 Pack
ISE Cleaning Solution	S3141000292	90 mL
Chloride Electrode	S3141000286	1 each
Lithium Electrode	S3141000287	1 each
Potassium Electrode	S3141000285	1 each
Reference Electrode	S3141000288	1 each
Sodium Electrode	S3141000284	1 each
Spacer Electrode	S3141000289	1 each
ISE Pump Tube Kit	S3141000293	1 kit
ISE Fluid Tubing Kit	S3141000294	1 kit
ISE Urine Diluent	S3141000351	1 x 125mL

Up to 400 tests per hour*
 Integrated ISE module for Na+, K+, Li+, Cl (optional)
 43 reagents and 49 samples on-board
 with integrated barcode reader
 Up to 30-day reagent onboard stability
 Integrated cuvette washing station
 User-friendly Windows® interface
 with LIS bi-directional connectivity

Analyzer pack includes: Analyzer, Universal power supply, User manual, Touch screen computer, Screen lever arm, Mouse

Specifications

MethodologyPhotometric method using monochromatic and bichromatic measurement
 Photometric linearity 0 to 3.0 OD
 Wavelengths(8 discrete) 340, 405, 492, 505, 546, 578, 630, 700 nm
 Throughput.....up to 400 tests per hour with optional ISE module or up to 240 tests per hour w/o ISE
 Sample volume 1 – 300 µL
 Size93 (w) x 72 (h) x 60 (d) cm
 Weight..... 60 kgs

*Altair™ 240 analyzer is capable of running up to 400 tests per hour with optional ISE module installed.
 Not FDA approved

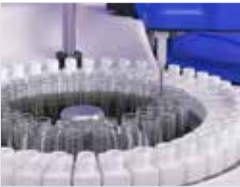


A compact, reliable and fully automated benchtop chemistry analyzer

At less than a meter in length, the Altair™ 240 fits easily onto most laboratory benches. It's the ideal solution for labs, doctors' offices, clinics and veterinary labs in need of a benchtop analyzer.



- Throughput**
- 43 reagent positions
 - Bar-coded and ready-to-use liquid reagents
 - Continual 24 hour on-board cooling
 - Open channel configuration



- Samples**
- Adaptive for various size primary tubes
 - 49 patient positions
 - Integrated bar code ID reader
 - STAT interruption permitted during analysis



Windows® based Altair™ 240 software for easy operation

- Altair 240™ is loaded with Windows® based software that makes learning and operating quick and easy using the intuitive touch-screen. The touchscreen is ideal for displaying Levey-Jennings graphics of quality control levels and work sessions and allows users to access everything they need at the touch of button, including :
- **Auto re-run with auto-dilution options**
 - **Active monitoring of reagents and main instrument liquid levels**
 - **Water supply, wash solution and waste level tank alarms**
- Altair 240™ also features an expandable archive for storing and viewing patient test results and quality control results.

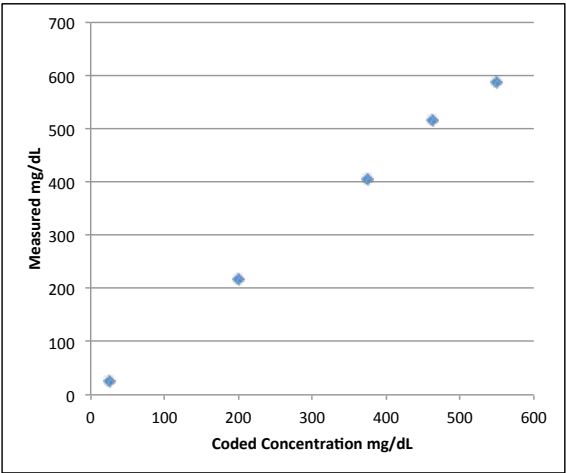
Altair™ 240 Example Assay Performance Data

Stanbio Glucose LiquiColor® Reagent

Altair™ 240 Glucose Linearity

Coded	Measured
25	27
200	218
375	407
463	508
550	586

Criteria +/- 10% (mg/dL) Assay is linear up to 500 mg/dL



Altair™ 240 Glucose Limit of Detection (LoD)

Zero Sample	Concentration in mg/dL	Zero Sample	Concentration in mg/dL
1	2	17	2
2	2	18	2
3	2	19	2
4	2	20	2
5	2	21	3
6	2	22	2
7	2	23	3
8	2	24	2
9	2	25	2
10	2	26	2
11	2	27	2
12	2	28	2
13	2	29	2
14	2	30	2
15	2	31	2
16	2		

Lod = 1.4mg/dL

Altair™ 240 Glucose Precision

Total Precision		Within Run Precision	
Level 1	Level 2	Level 1	Level 2
87	285	85	282
89	283	86	287
86	285	85	285
88	287	86	286
87	282	86	281
87	280	87	288
90	286	87	283
88	284	87	288
89	288	86	283
91	286	86	289
96	302	86	283
88	281	88	288
89	287	85	283
86	293	88	287
93	289	87	283
92	298	87	286
93	286	85	281
88	288	86	285
88	284	85	281
		88	286

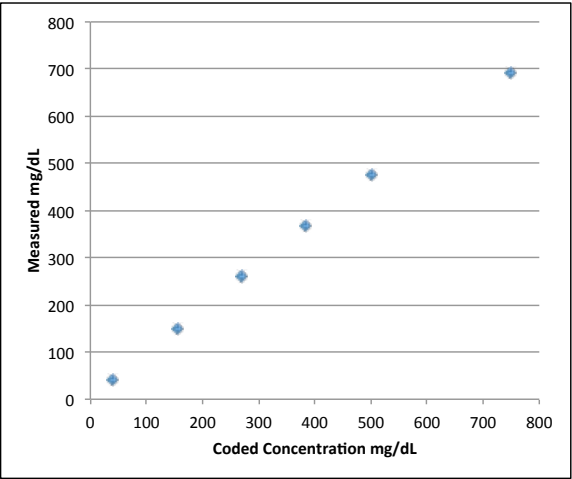
mg/dL		mg/dL	
AVG	89 287	AVG	86 285
SD	3.35 7.15	SD	1.03 2.61
CV	3.77 2.49	CV	1.19 0.92



Stanbio Cholesterol LiquiColor® Reagent

Altair™ 240 Cholesterol Linearity

Coded	Measured
40	41
155	151
270	260
385	369
500	476
750	692
Criteria +/- 10% (mg/dL) Assay is linear up to 750 mg/dL	



Altair™ 240 Cholesterol Limit of Detection (LoD)

Zero Sample	Concentration in mg/dL	Zero Sample	Concentration in mg/dL
1	7	16	4
2	6	17	6
3	5	18	6
4	3	19	6
5	5	20	6
6	4	21	6
7	4	22	3
8	4	23	7
9	3	24	4
10	5	25	5
11	6	26	6
12	4	27	9
13	3	28	10
14	4	29	5
15	3	30	8
Lod = 5.9 mg/dL			



Altair™ 240 Cholesterol Precision

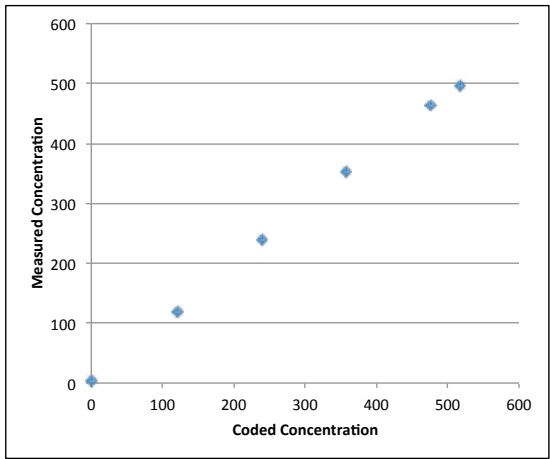
Total Precision		Within Run Precision	
Level 1	Level 2	Level 1	Level 2
141	296	142	296
139	302	145	299
139	299	147	288
142	297	148	291
139	304	144	286
141	297	154	309
142	303	142	293
142	302	157	310
143	297	138	285
142	297	140	293
147	303	140	290
145	298	149	301
143	297	144	297
147	293	147	308
141	297	138	285
142	294	148	296
143	298	140	291
145	297	143	302
147	303	141	295
		147	297
mg/dL		mg/dL	
AVG	142 298	AVG	145 296
SD	3.4 4.84	SD	5.04 7.57
CV	2.39 1.62	CV	3.48 2.56



Stanbio ALT LiquiColor® Reagent

Altair™ 240 ALT Linearity

Coded	Measured
1	2.5
120	120
239	239
358	354
477	465
517	496
Criteria +/- 10% (mg/dL) Assay is linear up to 500 U/L	



Altair™ 240 ALT Limit of Detection (LoD)

Zero Sample	Concentration in mg/dL	Zero Sample	Concentration in mg/dL
1	3	16	3
2	1	17	3
3	2	18	3
4	3	19	3
5	2	20	2
6	3	21	2
7	2	22	2
8	0	23	2
9	1	24	1
10	4	25	3
11	2	26	2
12	1	27	3
13	0	28	2
14	0	29	2
15	1	30	3
Lod = 2.7 u/L			



Altair™ 240 ALT Precision

Total Precision		Within Run Precision	
Level 1	Level 2	Level 1	Level 2
54	131	50	129
54	130	50	131
54	131	48	127
53	131	49	129
53	126	49	129
55	129	49	131
55	130	50	129
54	130	50	132
53	128	49	127
54	131	49	130
54	128	49	127
		51	128
		49	129
		51	130
		49	129
		50	129
		49	129
		50	129
		51	129
		51	131
mg/dL		mg/dL	
AVG	54 129	AVG	50 129
SD	0.8 1.8	SD	0.88 1.36
CV	1.5 1.4	CV	1.76 1.05

Notes



Notes





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