Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: β- Hydroxybutyrate

Catalog # : H7587

Reagent preparation: Reagents provided as ready to use liquids.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S -SR1
Calibration Mode:	Slope Avg.
Reagent Blank:	Reag/Dil (2)
Cleaner:	NO
Wavelength:	500nm
Decimal Position:	2
Unit:	mmol/L

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 uL
Diluent Name:	H2O
Volume:	20.0 uL
Reagent Cycle:	1
Volume:	105 uL
Start Reag. 1 Cycle:	2
Volume:	18 uL
Diluent:	H2O
Volume:	60.0 uL

CALCULATION

Sample Limit:	NO
Point:	-
Reac. Direction:	Increase (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0
Test Range High:	4.5
Normal Range Low:	0.02
Normal Range High:	0.27
Number of Steps:	1
Calc. Step A:	Endpoint
Reading First:	1
Reading Last:	12
Reaction Limit:	NO
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	NO
Reag. Range High:	NO
Blank Range Low:	NO
Blank Range High:	NO
Factor:	-
Standard Pos:	*
STD-1:	*
STD-2:	
STD-3:	
Replicate:	Single
Deviation:	-

Control

CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

* USER DEFINED

Rev: 3-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Acid Phosphatase
Catalog # : A7503

Add 8.5 ml deionized water to the 10 ml vials.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil
Cleaner:	Before (2)
Wavelength:	405nm
Decimal Position:	1
Unit:	U/L

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	20 UL
Diluent Name:	H2O
Volume:	50 UL
Reagent Cycle:	1
Volume:	150 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 U/L
Test Range High:	40.0 U/L
Normal Range Low:	2.5 U/L
Normal Range High:	11.7 U/L
Number of Steps:	1
Calc. Step A:	Kinetic (2)
Reading First:	13
Reading Last:	25
Reaction Limit:	0.400
Point:	T1

CALIBRATION

Calib Interval:		On Request
Blank		
Reag. Range Low:	No	
Reag. Range High:	No	
Blank Range Low:	No	
Blank Range High:	No	
Factor:		1421
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:	No	

* USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Albumin

Catalog # : A7502

Reagent provided ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	600nm (5)
Decimal Position:	1
Unit:	G/DL (11)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	2.0 UL
Diluent Name:	H2O
Volume:	28 UL
Reagent Cycle:	1
Volume:	370 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 G/DL
Test Range High:	6.0 G/DL
Normal Range Low:	3.5 G/DL
Normal Range High:	5.3 G/DL
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	CB
Reading Last:	T2
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	-0.050
Reag. Range High:	0.450
Blank Range Low:	-0.010
Blank Range High:	0.375
Factor:	-
Standard Pos:	1
STD-1:	User Defined
STD-2:	No
STD-3:	No
Replicate:	Dupl (2)
Deviation:	10%

Control

CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

* USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Alcohol

Catalog # : A7504

Prepare reagent according to package insert instructions.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg.
Reagent Blank:	Reag/Dil (2)
Cleaner:	After
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	mg/dl

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	10 UL
Diluent Name:	H2O
Volume:	40 UL
Reagent Cycle:	1
Volume:	260 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0
Test Range High:	400
Normal Range Low:	0
Normal Range High:	User Defined
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	1
Reading Last:	17
Reaction Limit:	No
Point:	-

CALIBRATION

Calib Interval:		Each Run
Blank		
Reag. Range Low:		No
Reag. Range High:		1.500
Blank Range Low:		No
Blank Range High:		1.500
Factor:		-
Standard Pos:		-
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Alcohol Standard A7504-STD recommended for calibration.
* USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Controls Cat.# A7504-CTL

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Alkaline Phosphatase

Catalog # : A7505

Add 12ml and 40ml to 15 and 50ml sized vials respectively. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	405nm (2)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	5 UL
Diluent Name:	H2O
Volume:	30 UL
Reagent Cycle:	1
Volume:	125 UL

CALCULATION

Sample Limit:	0.3500
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	1500 U/L
Normal Range Low:	35 U/L
Normal Range High:	123 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	2
Reading Last:	6
Reaction Limit:	0.530
Point:	T1

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.0500
Reag. Range High:		0.8000
Blank Range Low:		-.0040
Blank Range High:		0.0080
Factor:		2844
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

* USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Alkaline Phosphatase

Catalog # : A7516

Single working reagent is prepared by mixing 4 parts R1 with 1 part R2.

	Single Reagent	2Part App.
GENERAL		
Measurement Mode:	Absorb	
Reaction Mode:	R-S-(1)	R-S-SR1(3)
Calibration Mode:	Factor (1)	
Reagent Blank:	Reag/Dil (2)	
Cleaner:	No (1)	
Wavelength:	405nm (2)	
Decimal Position:	0	
Unit:	U/L (21)	
ANALYSIS		
Post Dil. Factor:	No	
Post Conc. Factor:	No	
Sample Cycle:	2	2
Volume:	4 UL	4 UL
Diluent Name:	H2O	H2O
Volume:	30 UL	20 UL
Reagent Cycle:	1	1
Volume:	170 UL	135 UL
Start Reag 1 Cycle:	-	1
Volume:	-	35.0 UL
Diluent Name:	-	H2O
Diluent:	-	10.0 UL
CALCULATION		
Sample Limit:	No	
Point:	-	
Reac. Direction:	Increase (1)	
Check:	Off	
Convers. Factor:	1.00000	
Offset:	0.00000	
Test Range Low:	0 U/L	
Test Range High:	1500 U/L	
Normal Range Low:	35 U/L	
Normal Range High:	123 U/L	
Number of Steps:	1	
Calc. Step A:	Kinsearch (3)	
Reading First:	5	
Reading Last:	10	
Reaction Limit:	No	
Point:	-	

CALIBRATION		
Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.1200
Reag. Range High:		0.5000
Blank Range Low:		-0.0050
Blank Range High:		0.0050
Factor:		4521
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

*USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: ALT (SGPT)
Catalog # : A7525

Add 12ml and 40ml DiH2O to 15 and 50ml sized vials respectively. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	13 UL
Diluent Name:	H2O
Volume:	30 UL
Reagent Cycle:	1
Volume:	125 UL

CALCULATION

Sample Limit:	0.7000
Point:	T1
Reac. Direction:	Decrease (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	500 U/L
Normal Range Low:	0 U/L
Normal Range High:	38 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	3
Reading Last:	11
Reaction Limit:	.1450
Point:	T1

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.5400
Reag. Range High:		1.6000
Blank Range Low:		-0.0040
Blank Range High:		0.0040
Factor:		3463
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

*USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: ALT (SGPT) Liquid
Catalog # : A7526

Single working reagent is prepared by mixing 4 parts R1 with 1 part R2.

	Single reagent	2Part app.
GENERAL		
Measurement Mode:	Absorb	
Reaction Mode:	R-S-(1)	R-S-SR1 (3)
Calibration Mode:	Factor (1)	
Reagent Blank:	Reag/Dil (2)	
Cleaner:	Before (2)	
Wavelength:	340nm (1)	
Decimal Position:	0	
Unit:	U/L (21)	
ANALYSIS		
Post Dil. Factor:	No	
Post Conc. Factor:	No	
Sample Cycle:	2	2
Volume:	12.0 UL	12.0 UL
Diluent Name:	H2O	H2O
Volume:	25.0 UL	10.0 UL
Reagent Cycle:	1	1
Volume:	155 UL	125 UL
Start Reag 1 Cycle:	-	1
Volume:	-	30.0 UL
Diluent Name:	-	H2O
Diluent:	-	15.0 UL

CALIBRATION			
Calib Interval:			On Request (3)
Blank			
Reag. Range Low:			0.4200
Reag. Range High:			2.0000
Blank Range Low:			-0.0050
Blank Range High:			0.0050
Factor:			4788
Standard Pos:			-
STD-1:			-
STD-2:			
STD-3:			
Replicate:			-
Deviation:			-
Control			
CS1 Pos	* Low:		(User Defined)
	Assign:		
	High:		
CS2 Pos	* Low:		(User Defined)
	Assign:		
	High:		
CS3 Pos:			No

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Decrease (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	600 U/L
Normal Range Low:	4 U/L
Normal Range High:	36 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	6
Reading Last:	12
Reaction Limit:	No
Point:	-

*USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Rev: 5-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Ammonia
Catalog # : A7553

Add 5ml ammonia free DH2O to the 6.5ml substrate rgt. (R1)
Add 2ml of ammonia free DH2O to the enzyme reagent vial. (SR1)

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Slope Avg.
Reagent Blank:	Reag/Dil
Cleaner:	No
Wavelength:	340nm
Decimal Position:	0
Unit:	umol/L (ug/dl)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	40.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	150 UL
Start Reag 1 Cycle:	10
Volume:	8.0 UL
Diluent Name:	H2O
Diluent:	4.0 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Decrease
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	600 U/L
Normal Range Low:	*
Normal Range High:	*
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	9
Reading Last:	21
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos:		
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Amylase

Catalog # : A7564

Reagent provided as a ready to use liquid.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	405 nm (2)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3 U/L
Diluent Name:	H2O
Volume:	30 U/L
Reagent Cycle:	1
Volume:	125 U/L

CALCULATION

Sample Limit:	0.2500
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	2000 U/L
Normal Range Low:	25 U/L
Normal Range High:	125 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	2
Reading Last:	6
Reaction Limit:	0.3000
Point:	T1

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.0070
Reag. Range High:		0.5400
Blank Range Low:		-0.0060
Blank Range High:		0.0050
Factor:		6804
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

* USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Revised 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Apolipoprotein A-1

Catalog # : A7544

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Std Nonlin
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	2.0 UL
Diluent Name:	DH2O
Dil:	10.0 UL
Reagent Cycle:	1
Volume:	300 UL
Start Reag. 1 Cycle:	2
Volume:	75 UL
Diluent:	10.0 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	200 mg/dl
Normal Range Low:	User Defined
Normal Range High:	User Defined
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	12
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	No
Reag. Range High:	No
Blank Range Low:	No
Blank Range High:	No
Calibrator Cup Pos:	1
Cal-1:	*
Cal 2-6:	User Defined
Replicate:	Single
Deviation:	No

CONTROL

CS1 Pos:	(User Defined)
CS2 Pos :	(User Defined)
CS3 Pos:	No

Values exceeding the highest calibrator must be diluted with saline. Saline should be used as the 0.0 standard.

* User defined.

It is recommended that two levels of control material be assayed daily. Reorder PSI Controls Cat.# L7580-18

Rev: 11/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Apolipoprotein B

Catalog # : A7588

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Std Nonlin
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	DH2O
Dil:	10.0 UL
Reagent Cycle:	1
Volume:	300 UL
Start Reag. 1 Cycle:	2
Volume:	75 UL
Diluent:	10.0 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	200 mg/dl
Normal Range Low:	User Defined
Normal Range High:	User Defined
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	14
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	No
Reag. Range High:	No
Blank Range Low:	No
Blank Range High:	No
Calibrator Cup Pos:	1 -
Cal-1:	*
Cal 2-6:	User Defined
Factor:	-
Calc. Model:	
Replicate:	Single
Deviation:	NO

CONTROL

CS1 Pos:	(User Defined)
CS2 Pos	(User Defined)
CS3 Pos:	No

Values exceeding the highest calibrator must be diluted with saline. Saline should be used as the 0.0 standard

It is recommended that two levels of control material be assayed daily. Reorder PSI Controls Cat.# L7580-18

* User defined

Rev: 11-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: AST (SGOT)
Catalog # : A7560

Add 12ml and 40ml to 15 and 50ml sized vials respectively. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	13 UL
Diluent Name:	H2O
Volume:	30 UL
Reagent Cycle:	1
Volume:	125 UL

CALCULATION

Sample Limit:	0.7000
Point:	T1
Reac. Direction:	Decrease (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	500 U/L
Normal Range Low:	0 U/L
Normal Range High:	40 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	3
Reading Last:	11
Reaction Limit:	.1450
Point:	T1

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	0.5400
Reag. Range High:	1.6000
Blank Range Low:	-0.0040
Blank Range High:	0.0040
Factor:	3463
Standard Pos:	-
STD-1:	-
STD-2:	
STD-3:	
Replicate:	-
Deviation:	-

Control

CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

* USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: AST (SGOT) Liquid
Catalog # : A7561

Single working reagent is prepared by mixing 4 parts R1 with 1 part R2.

	Single reagent	2Part app.
GENERAL		
Measurement Mode:	Absorb	
Reaction Mode:	R-S (1)	R-S-SR1 (3)
Calibration Mode:	Factor (1)	
Reagent Blank:	Reag/Dil (2)	
Cleaner:	Before (2)	
Wavelength:	340nm (1)	
Decimal Position:	0	
Unit:	U/L (21)	
ANALYSIS		
Post Dil. Factor:	No	
Post Conc. Factor:	No	
Sample Cycle:	2	2
Volume:	12.0 UL	12.0 UL
Diluent Name:	H2O	H2O
Volume:	25.0 UL	10.0 UL
Reagent Cycle:	1	1
Volume:	155 UL	125 UL
Start Reag 1 Cycle:	-	1
Volume:	-	30.0 UL
Diluent Name:	-	H2O
Diluent:	-	15.0 UL

CALIBRATION			
Calib Interval:			On Request (3)
Blank			
Reag. Range Low:			0.4200
Reag. Range High:			2.0000
Blank Range Low:			-0.0050
Blank Range High:			0.0050
Factor:			4788
Standard Pos:			-
STD-1:			-
STD-2:			
STD-3:			
Replicate:			-
Deviation:			-
Control			
CS1 Pos	* Low:		(User Defined)
	Assign:		
	High:		
CS2 Pos	* Low:		(User Defined)
	Assign:		
	High:		
CS3 Pos:			No

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Decrease (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	600 U/L
Normal Range Low:	5 U/L
Normal Range High:	34 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	6
Reading Last:	12
Reaction Limit:	No
Point:	-

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 5-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Liquid auto HDL

Catalog # : H7545

Reagents are supplied ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No
Wavelength:	600nm (5)
Decimal Position:	0
Unit:	mg/dl

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 U/L
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	240 UL
Start Reag 1 Cycle:	12
Volume:	80.0 UL
Diluent Name:	H2O
Diluent:	5.0 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	No
Test Range High:	No
Normal Range Low:	30 mg/dl
Normal Range High:	85 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	11
Reading Last:	24
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		No
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	*Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

autoHDL/LDL calibrator recommended for calibration.
Catalog# H7545-CAL

* USER DEFINED

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: auto LDL

Catalog # : L7574

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	550nm (4)
Decimal Position:	0
Unit:	mg/dl

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	2.4 UL
Diluent Name:	H2O
Volume:	10 UL
Reagent Cycle:	1
Volume:	240 UL
Start Reag 1 Cycle:	12
Volume:	80.0 UL
Diluent Name:	H2O
Diluent:	5.0 UL

CALCULATION

Sample Limit:	No
Point:	-
Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0
Test Range High:	700
Normal Range Low:	20 mg/dl
Normal Range High:	130 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	11
Reading Last:	24
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	-0.100
Reag. Range High:	2.000
Blank Range Low:	-0.1000
Blank Range High:	1.5000
Factor:	-
Standard Pos:	1
STD-1:	User Defined
STD-2:	
STD-3:	
Replicate:	Dupl (2)
Deviation:	10%
Control	
CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

Enter calibrator value.
AutoHDL/LDL calibrator catalog# H7545-CAL is Reac. recommended for calibration.

* USER DEFINED

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Direct Bilirubin

Catalog # : B7538

Reagents are ready to use. NOTE: This is a two (2) reagent system used on (rack3). Direct Bilirubin reagent is placed in the larger container. Nitrite reagent in the smaller.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1 (3)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	550nm (4)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	30.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	300 UL
Start Reag 1 Cycle:	2
Volume:	4.0 UL
Diluent Name:	H2O
Diluent:	20.0 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	20.0 mg/dl
Normal Range Low:	0.0 mg/dl
Normal Range High:	0.5 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	2
Reading Last:	8

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos:		User Defined
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

* USER DEFINED

Rev: 2-03

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Total Bilirubin

Catalog # : B7576

Prepare reagent according to package insert instructions.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	550nm (4)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	7.0 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	175 UL

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	-0.0800
Reag. Range High:	0.1500
Blank Range Low:	-0.0500
Blank Range High:	0.0500
Factor:	
Standard Pos:	1
STD-1:	User Defined
STD-2:	
STD-3:	
Replicate:	Dupl (2)
Deviation:	10%
Control	
CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	20.0 mg/dl
Normal Range Low:	0.2 mg/dl
Normal Range High:	1.2 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	13

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: BUN
Catalog # : B7550

Add 12ml DiH2O to 15ml sized vials. Add 40ml to 50ml sized vials.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	60.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	0.2000
Point:	T1
Reac. Direction:	Decrease (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 U/L
Test Range High:	80.0 U/L
Normal Range Low:	7.0 U/L
Normal Range High:	18.0 U/L
Number of Steps:	1
Calc. Step A:	Kinetic (2)
Reading First:	2
Reading Last:	6
Reaction Limit:	No
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.6000
Reag. Range High:		1.8000
Blank Range Low:		-0.0100
Blank Range High:		0.0100
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 10-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: BUN (Liquid)
Catalog # : B7552

Reagents are prepared by mixing 5 parts R1 with 1 part R2.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	0.2000
Point:	T1
Reac. Direction:	Decrease (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	140.0 mg/dl
Normal Range Low:	7.0 mg/dl
Normal Range High:	18.0 mg/dl
Number of Steps:	1
Calc. Step A:	Kinetic (2)
Reading First:	2
Reading Last:	6
Reaction Limit:	No
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.5000
Reag. Range High:		1.8000
Blank Range Low:		-0.0100
Blank Range High:		0.0100
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 10-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Calcium (Liquid)

Catalog # : C7503

Prepare reagent as stated in package insert instructions.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	550nm (4)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	10 UL
Diluent Name:	H2O
Volume:	10 UL
Reagent Cycle:	1
Volume:	360 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	20.0 mg/dl
Normal Range Low:	8.5 mg/dl
Normal Range High:	10.4 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	1
Reading Last:	5
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.0500
Reag. Range High:		0.5000
Blank Range Low:		-0.0800
Blank Range High:		0.1000
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Calcium (Dry)

Catalog # : C7508

Add volume DiH2O indicated on vial label. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	550nm (4)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	10 UL
Diluent Name:	H2O
Volume:	10 UL
Reagent Cycle:	1
Volume:	360 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	20.0 mg/dl
Normal Range Low:	8.5 mg/dl
Normal Range High:	10.4 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	1
Reading Last:	5
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.0500
Reag. Range High:		0.5000
Blank Range Low:		-0.0800
Blank Range High:		0.1000
Factor:		-
Standard Pos:		1
	STD-1:	User Defined
	STD-2:	
	STD-3:	
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Calcium (Arsenazo)

Catalog # : C7529

Reagents provided ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	600nm (5)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	320 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	15.0 mg/dl
Normal Range Low:	8.5 mg/dl
Normal Range High:	10.4 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	1
Reading Last:	5
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		2.000
Blank Range Low:		No
Blank Range High:		2.000
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

* USER DEFINED

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Carbon Dioxide
Catalog # : C7504

Add 10.0ml diluent to the 11ml sized vial. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	mmol/l

ANALYSIS

Post Dil. Factor:	1.000
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	2.0 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Decrease (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 mmol/l
Test Range High:	40 mmol/l
Normal Range Low:	23 mmol/l
Normal Range High:	34 mmol/l
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	2
Reading Last:	4
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos:		1
	STD-1:	User Defined
	STD-2:	
	STD-3:	
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Chloride
Catalog # : C7501

Reagents are ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	500nm (3)
Decimal Position:	0
Unit:	mEq/L (30)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	80 mmol/l
Test Range High:	120 mmol/l
Normal Range Low:	98 mmol/l
Normal Range High:	106 mmol/l
Number of Steps:	1
Calc. Step A:	Endpoit (1)
Reading First:	1
Reading Last:	5
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.1000
Reag. Range High:		0.2500
Blank Range Low:		-0.0900
Blank Range High:		0.1000
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED
Rev: 6-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Cholesterol
Catalog # : C7509

Add 12ml or 40ml distilled water to 15ml or 50ml vial, respectively. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	500nm (3)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	165 UL

CALCULATION

Sample Limit:	0.1000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	500 mg/dl
Normal Range Low:	120 mg/dl
Normal Range High:	240 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	13
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.0700
Reag. Range High:		0.1300
Blank Range Low:		-0.0500
Blank Range High:		0.0500
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Cholesterol (Liquid)

Catalog # : C7510

Ready to use liquid.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	500nm (3)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	250 UL

CALCULATION

Sample Limit:	0.1000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	500 mg/dl
Normal Range Low:	120 mg/dl
Normal Range High:	240 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	1
Reading Last:	13
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	-0.0700
Reag. Range High:	0.1300
Blank Range Low:	-0.0500
Blank Range High:	0.0500
Factor:	-
Standard Pos:	1
STD-1:	User Defined
STD-2:	
STD-3:	
Replicate:	Dupl (2)
Deviation:	10%

Control

CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: CK (CPK)
Catalog # : C7512

Add 5ml, 12ml and 40ml to 6.5, 15 and 50ml sized vials respectfully. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	5.0 UL
Diluent Name:	H2O
Volume:	30.0 UL
Reagent Cycle:	1
Volume:	125 UL

CALCULATION

Sample Limit:	0.5000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	2000 U/L
Normal Range Low:	25 U/L
Normal Range High:	192 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	3
Reading Last:	10
Reaction Limit:	0.235
Point:	T1

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.0500
Reag. Range High:		0.7000
Blank Range Low:		-0.0900
Blank Range High:		0.0800
Factor:		8574
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: CK (CPK) Liquid
Catalog # : C7522

Single working reagent is prepared by mixing 4 parts R1 with 1 part R2.

	Single reagent	2Part app.
GENERAL		
Measurement Mode:	Absorb	
Reaction Mode:	R-S (1)	R-S-SR1
Calibration Mode:	Factor (1)	
Reagent Blank:	Reag/Dil (2)	
Cleaner:	No (1)	
Wavelength:	340nm (1)	
Decimal Position:	0	
Unit:	U/L (21)	
ANALYSIS		
Post Dil. Factor:	No	
Post Conc. Factor:	No	
Sample Cycle:	1	2
Volume:	5.0 UL	5.0 UL
Diluent Name:	H2O	H2O
Volume:	30.0 UL	15.0 UL
Reagent Cycle:	1	1
Volume:	150 UL	120 UL
Start Reag. 1 Cycle		1
Volume:		30.0 UL
Diluent Name:		H2O
Diluent:		15.0 UL

CALIBRATION			
Calib Interval:			On Request (3)
Blank			
Reag. Range Low:			0.0500
Reag. Range High:			0.7000
Blank Range Low:			-0.0900
Blank Range High:			0.0800
Factor:			9914
Standard Pos:			-
STD-1:			-
STD-2:			
STD-3:			
Replicate:			-
Deviation:			-
Control			
CS1 Pos	* Low:		* (User Defined)
	Assign:		
	High:		
CS2 Pos	* Low:		* (User Defined)
	Assign:		
	High:		
CS3 Pos:			No

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	2000 U/L
Normal Range Low:	25 U/L
Normal Range High:	192 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	5
Reading Last:	12
Reaction Limit:	No
Point:	-

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

*USER DEFINED

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: CK-MB
Catalog # : C7562

Reconstitute with volume of CK-MB diluent stated on reagent vial.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340 (1)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	16.0 UL
Diluent:	10.0 UL
Reagent Cycle:	1
Volume:	150 UL
Start Reag 1 Cycle:	-
Volume:	-
Diluent:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.0500
Reag. Range High:		0.7000
Blank Range Low:		-0.0900
Blank Range High:		0.0800
Factor:		6200
Calibrator Cup Pos.		-
CAL-1:		-
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

CALCULATION

Sample Limit:	NO
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	2000 U/L
Normal Range Low:	0 U/L
Normal Range High:	22 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	10
Reading Last:	15
Reaction Limit:	0.900
Point:	T1

*USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Creatinine 2-Part Application

Catalog # : C7539

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before
Wavelength:	500nm (3)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	15.0 UL
Diluent Name:	H2O
Volume:	20.0 UL
Reagent Cycle:	1
Volume:	100 UL
Start Reag. 1Cycle:	2
Volume:	50.0 UL
Diluent Name:	H2O
Volume:	10.0 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	25.0 mg/dl
Normal Range Low:	0.4 mg/dl
Normal Range High:	1.4 mg/dl
Number of Steps:	1
Calc. Step A:	Kinetic (2)
Reading First:	3
Reading Last:	7
Reaction Limit:	No (1)
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.0100
Reag. Range High:		0.45000
Blank Range Low:		-0.0030
Blank Range High:		0.0300
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: CRP (HS)
Catalog # : C7564

Reagents are ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR (1)
Calibration Mode:	Logit/Log5
Reagent Blank:	No
Cleaner:	No
Wavelength:	550 nm
Decimal Position:	2
Unit:	mg/dl

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	3
Volume:	15.0 UL
Diluent Name:	(use rgt 1)
Volume:	30.0 UL
Reagent Cycle:	1
Volume:	130 UL
Start Reag 1 Cycle:	1
Volume:	90.0 U/L
Diluent Name:	use rgt 1
Diluent:	5.0U/L

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	No
Test Range High:	No
Normal Range Low:	*
Normal Range High:	*
Number of Steps:	1
Calc. Step A:	Kinetic
Reading First:	3
Reading Last:	10
Reaction Limit:	No
Point:	-

CALIBRATION

Calib Interval:		On Request
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos.		*
Std-1:		User Defined
Std-2:		
Std-3:		
Replicate:		Single
Deviation:		No
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

* User defined

Use saline as 0.0 standard
Enter calibrator values.

Rev: 11/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Fructosamine

Catalog # : F7546

Prepare reagent according to package insert instructions.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	550nm (4)
Decimal Position:	0
Unit:	mmol/L

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	10 UL
Diluent Name:	H2O
Volume:	30.0 UL
Reagent Cycle:	1
Volume:	200 UL

CALCULATION

Sample Limit:	1.2
Point:	T1
Reac. Direction:	Increase (1)
Check:	On (1)
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mmol/L
Test Range High:	10.0 mmol/L
Normal Range Low:	1.3 mmol/L
Normal Range High:	2.85 mmol/L
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	20
Reading Last:	33
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		0.15
Blank Range Low:		-0.003
Blank Range High:		0.003
Factor:		-
Standard Pos:		-
	STD-1:	User Defined
	STD-2:	
	STD-3:	
Replicate:		Dupl (2)
Deviation:		5%
Control		
CS1 Pos	* Low:	User Defined
	Assign:	
	High:	
CS2 Pos	* Low:	User Defined
	Assign:	
	High:	
CS3 Pos:		NO

* USER DEFINED

Rev: 9/02

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Gamma GT Soluble

Catalog # : G7570

Add 10.0ml DH2O to 10ml sized vial.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	405nm (2)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	10.0 UL
Diluent Name:	H2O
Volume:	20.0 UL
Reagent Cycle:	1
Volume:	165 UL

CALCULATION

Sample Limit:	0.5000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	1000 mg/dl
Normal Range Low:	8 mg/dl
Normal Range High:	54 mg/dl
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	3
Reading Last:	11
Reaction Limit:	0.300
Point:	T1

Rev: 5/01

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.1000
Reag. Range High:		0.8000
Blank Range Low:		-0.0100
Blank Range High:		0.0100
Factor:		3282
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 5/01

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Gamma GT (Liquid)

Catalog # : G7571

Single working reagent is prepared by mixing 4 parts R1 with 1 part R2.

	Single Reagent	2Part app.
GENERAL		
Measurement Mode:	Absorb	
Reaction Mode:	R-S (1)	R-S-SR1
Calibration Mode:	Factor (1)	
Reagent Blank:	Reag/Dil (2)	
Cleaner:	No (1)	
Wavelength:	405nm (2)	
Decimal Position:	0	
Unit:	U/L (21)	
ANALYSIS		
Post Dil. Factor:	No	
Post Conc. Factor:	No	
Sample Cycle:	2	2
Volume:	10.0 UL	10.0 UL
Diluent Name:	H2O	H2O
Volume:	20.0 UL	10 UL
Reagent Cycle:	1	1
Volume:	165 UL	130 UL
Start Reag 1 Cycle:	-	1
Volume:	-	35 UL
Diluent Name:	-	H2O
Volume:	-	10 UL
CALCULATION		
Sample Limit:	No	
Point:	-	
Reac. Direction:	Increase (1)	
Check:	On	
Convers. Factor:	1.00000	
Offset:	0.00000	
Test Range Low:	0.0 U/L	
Test Range High:	1000 U/L	
Normal Range Low:	8 U/L	
Normal Range High:	54 U/L	
Number of Steps:	1	
Calc. Step A:	Kinsearch (3)	
Reading First:	3	
Reading Last:	11	
Reaction Limit:	No	
Point:	-	

CALIBRATION		
Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.1000
Reag. Range High:		0.8000
Blank Range Low:		-0.0100
Blank Range High:		0.0100
Factor:		3938
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2/02

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Glucose Hexokinase

Catalog # : G7518

Add 12ml and 40.0ml to 15 and 50ml sized vials respectively. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	200 UL

CALCULATION

Sample Limit:	0.3000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	600 mg/dl
Normal Range Low:	65 mg/dl
Normal Range High:	110 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	6
Reaction Limit:	-
Point:	

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	0.0030
Reag. Range High:	0.3000
Blank Range Low:	-0.0700
Blank Range High:	0.0600
Factor:	-
Standard Pos:	1
STD-1:	User Defined
STD-2:	
STD-3:	
Replicate:	Dupl (2)
Deviation:	10%

Control

CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Glucose Hex (Liquid)

Catalog # : G7517

Reagent supplied as ready to use liquid.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	20.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	NO
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	600 mg/dl
Normal Range Low:	65 mg/dl
Normal Range High:	110 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	CB
Reading Last:	13
Reaction Limit:	-
Point:	

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	-0.050
Reag. Range High:	0.3000
Blank Range Low:	-0.050
Blank Range High:	0.3000
Factor:	-
Standard Pos:	1
STD-1:	User Defined
STD-2:	
STD-3:	
Replicate:	Dupl (2)
Deviation:	10%

Control

CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 10-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: HDL Cholesterol

Catalog # : H7507 / H7511

See package insert.
NOTE: Cholesterol Reagent should be reconstituted as per cholesterol Mira application instructions.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	500nm (3)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	6.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	165 UL

CALCULATION

Sample Limit:	0.2000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	250 mg/dl
Normal Range Low:	30 mg/dl
Normal Range High:	75 mg/
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	13
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.0700
Reag. Range High:		0.1300
Blank Range Low:		-0.0500
Blank Range High:		0.0500
Factor:		-
Standard Pos:		2
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

NOTE: Final results must be multiplied by 2 or the calibrator value entered into the instrument doubled.

Cholesterol calibrator catalog# C7574-50 is recommended for calibration.

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Total Iron

Catalog # : I7504 / I7505

Reagents are supplied ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Std Lin or Slope Avg.
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	550nm (4)
Decimal Position:	0
Unit:	ug/dl

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	50 UL
Diluent Name:	H2O
Volume:	40 UL
Reagent Cycle:	1
Volume:	240 UL*
Start Reag 1 Cycle:	4
Volume:	5 UL**
Diluent:	0 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 ug/dl
Test Range High:	510 ug/dl
Normal Range Low:	60 ug/dl
Normal Range High:	150 ug/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	3
Reading Last:	28
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		2.000
Blank Range Low:		No
Blank Range High:		2.000
Factor:		-
Standard Pos:		
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	# Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	# Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

*Iron Buffer Reagent

** Iron Color Reagent

USER DEFINED

Rev: 2-03

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Lactate

Catalog # : L7596

Prepare working reagent by mixing 3 parts R1 with 2 parts R2.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	600nm (5)
Decimal Position:	1
Unit:	mmol/L

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 mmol/L
Test Range High:	20 mmol/L
Normal Range Low:	0.5 mmol/L
Normal Range High:	2.2 mmol/L
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	13
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	-0.100
Reag. Range High:	2.000
Blank Range Low:	-0.1000
Blank Range High:	1.5000
Factor:	-
Standard Pos:	1
STD-1:	User Defined
STD-2:	
STD-3:	
Replicate:	Dupl (2)
Deviation:	10%
Control	
CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: LDH
Catalog # : L7535

Add 5ml, 12ml and 40ml to 6.5, 15 and 50ml sized vials respectively. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Select (3) After AST,ALT
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	5.0 UL
Diluent Name:	H2O
Volume:	30.0 UL
Reagent Cycle:	1
Volume:	125 UL

CALCULATION

Sample Limit:	0.5000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	1250 U/L
Normal Range Low:	80 U/L
Normal Range High:	285 U/L
Number of Steps:	1
Calc. Step A:	Kinsearch (3)
Reading First:	3
Reading Last:	11
Reaction Limit:	0.1500
Point:	T1

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	0.1000
Reag. Range High:	0.7000
Blank Range Low:	-0.0500
Blank Range High:	0.0500
Factor:	8574
Standard Pos:	-
STD-1:	-
STD-2:	
STD-3:	
Replicate:	-
Deviation:	-

Control

CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: LDH (Liquid)
Catalog # : L7572

Prepare single working reagent by mixing 4 parts R1 and 1 part R2.

	Single Reagent	2Part app.
GENERAL		
Measurement Mode:	Absorb	
Reaction Mode:	R-S (1)	R-S-SR1
Calibration Mode:	Factor (1)	
Reagent Blank:	Reag/Dil (2)	
Cleaner:	No (1)	
Wavelength:	340nm (1)	
Decimal Position:	0	
Unit:	U/L (21)	
ANALYSIS		
Post Dil. Factor:	No	
Post Conc. Factor:	No	
Sample Cycle:	2	2
Volume:	5.0 UL	5.0 U/L
Diluent Name:	H2O	H2O
Volume:	30.0 UL	15.0 UL
Reagent Cycle:	1	1
Volume:	150UL	120 UL
Start Reag 1 Cycle:	-	1
Volume:	-	30 UL
Diluent Name:	-	H2O
Diluent:	-	15 UL
CALCULATION		
Sample Limit:	No	
Point:	-	
Reac. Direction:	Increase (1)	
Check:	On	
Convers. Factor:	1.00000	
Offset:	0.00000	
Test Range Low:	0 U/L	
Test Range High:	1400 U/L	
Normal Range Low:	80 U/L	
Normal Range High:	285 U/L	
Number of Steps:	1	
Calc. Step A:	Kinsearch (3)	
Reading First:	5	
Reading Last:	12	
Reaction Limit:	No	
Point:	-	

CALIBRATION		
Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.1000
Reag. Range High:		0.4000
Blank Range Low:		-0.0050
Blank Range High:		0.0010
Factor:		9914
Standard Pos:		-
STD-1:		-
STD-2:		
STD-3:		
Replicate:		-
Deviation:		-
Control		
CS1 Pos	*Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	*Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50

*USER DEFINED

Rev: 5/01

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Lipase
Catalog # : L7503

Add 10ml substrate buffer to lipase substrate.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Calibrator (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	550nm (4)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	H2O
Diluent:	10.0 UL
Reagent Cycle:	1
Volume:	180 UL
Start Reag 1 Cycle:	8
Volume:	60.0 UL
Diluent Name:	H2O
Diluent:	10.0 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	600 U/L
Normal Range Low:	0 U/L
Normal Range High:	62 U/L
Number of Steps:	1
Calc. Step A:	Kinetic (2)
Reading First:	14
Reading Last:	20
Reaction Limit:	No (1)
Point:	-

CALIBRATION

Calib Interval:		On Request
Blank		
Reag. Range Low:		-0.1000
Reag. Range High:		0.5000
Blank Range Low:		-0.0900
Blank Range High:		0.1000
Factor:		-
Calibrator Pos:		3
CAL-1:		User Defined
CAL-2:		
CAL-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50

Use Lipase Standard as Calibrator.
Use activator reagent as start reagent.

* USER DEFINED

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Lp(a)

Catalog # : L7597

Reagent preparation: Reagents provided as ready to use liquids.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S -SR1
Calibration Mode:	Lin Inter
Reagent Blank:	Reag/Dil (2)
Cleaner:	NO
Wavelength:	340nm
Decimal Position:	1
Unit:	mg/dL

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	15.0 uL
Diluent Name:	H2O
Volume:	20.0 uL
Reagent Cycle:	1
Volume:	300 uL
Start Reag. 1 Cycle:	13
Volume:	50 uL
Diluent:	H2O
Volume:	10.0 uL

CALCULATION

Sample Limit:	NO
Point:	-
Reac. Direction:	Increase (2)
Check:	Off
Antigen Excess Limit	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	No
Test Range High:	No
Normal Range Low:	-
Normal Range High:	-
Number of Steps:	1
Calc. Step A:	Endpoint
Reading First:	12
Reading Last:	25
Reaction Limit:	NO
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	NO
Reag. Range High:	NO
Blank Range Low:	NO
Blank Range High:	NO
Factor:	-
Standard Pos:	*1
STD-1:	0.0mg/dL
STD-2:	*2
STD-3:	*2
Replicate:	Triple
Deviation:	- 20%

Control

CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

* Pos. of Cal (Std-1)

* Assigned value of cal.

Rev. 3-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Magnesium
Catalog # : M7527

Reagent is supplied ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	550nm (4)
Decimal Position:	1
Unit:	mg/dl

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	15.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	6.0 mg/dl
Normal Range Low:	1.6 mg/dl
Normal Range High:	3.0 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	4
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.1000
Reag. Range High:		0.7000
Blank Range Low:		-0.0500
Blank Range High:		0.0500
Factor:		-
Standard Pos:		1
	STD-1:	User Defined
	STD-2:	
	STD-3:	
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50

* USER DEFINED

Rev: 2-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Microalbumin (2-point)

Catalog # : M7562

Reagents are supplied ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	No
Cleaner:	No
Wavelength:	340nm
Decimal Position:	2
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	12.0 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	270 UL
Start Reag 1 Cycle:	8
Volume:	90.0 UL
Diluent:	0.0

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	No
Test Range High:	No
Normal Range Low:	No
Normal Range High:	No
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	7
Reading Last:	22
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos:		2
	STD-1:	User Defined
	STD-2:	
	STD-3:	
Replicate:		Single
Deviation:		No
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Use saline as 0.0 standard.
Microalbumin calibrator set catalog# M7562-CAL required for calibration.

* USER DEFINED

Rev: 11-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Microalbumin (multi-point)

Catalog # : M7562

Reagents are supplied ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Lin Inter
Reagent Blank:	No
Cleaner:	No
Wavelength:	340nm
Decimal Position:	2
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	12.0 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	270 UL
Start Reag 1 Cycle:	8
Volume:	90.0 UL
Diluent:	0.0

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	No
Test Range High:	No
Normal Range Low:	No
Normal Range High:	No
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	7
Reading Last:	22
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos:		2
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Single
Deviation:		No
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Use saline as 0.0 standard.
Microalbumin calibrator set catalog# M7562-CAL required for calibration.

* USER DEFINED

Rev: 11-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Microprotein
Catalog # : P7582

Reagents are ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	600nm (5)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	4 UL
Diluent Name:	H2O
Volume:	20.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	200 mg/dl
Normal Range Low:	*
Normal Range High:	*
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	CB
Reading Last:	24
Reaction Limit:	No
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos:		*
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Triplicate (3)
Deviation:		No
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

*User Defined

Rev: 2/03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Phosphorus
Catalog # : P7516

Reagents are ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	340nm (1)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	7.0 UL
Diluent Name:	H2O
Volume:	20.0 UL
Reagent Cycle:	1
Volume:	300 UL

CALCULATION

Sample Limit:	NO
Point:	-
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 mg/dl
Test Range High:	15.0 mg/dl
Normal Range Low:	2.5 mg/dl
Normal Range High:	4.8 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	CB
Reading Last:	5
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.1500
Reag. Range High:		0.3900
Blank Range Low:		-0.0500
Blank Range High:		0.1000
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for Calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50

* USER DEFINED

Rev: 5/02

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Total Protein
Catalog # : T7528

Reagents are ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	550nm (4)
Decimal Position:	1
Unit:	g/dl (11)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	5.0 UL
Diluent Name:	H2O
Volume:	20.0 UL
Reagent Cycle:	1
Volume:	250 UL

CALCULATION

Sample Limit:	0.3000
Point:	1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0.0 g/dl
Test Range High:	15.0 g/dl
Normal Range Low:	6.2 g/dl
Normal Range High:	8.5 g/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	1
Reading Last:	5
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.1000
Reag. Range High:		0.4000
Blank Range Low:		-0.0500
Blank Range High:		0.0500
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50

* USER DEFINED
Rev: 3-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Sodium

Catalog # : S7571

Prepare reagent according to package insert instructions.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	550nm (4)
Decimal Position:	0
Unit:	mmol/L

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	10 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	250 UL
Start Reag. 1 Cycle:	4
Volume:	95 UL
Diluent:	

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	No
Test Range High:	No
Normal Range Low:	No
Normal Range High:	No
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	3
Reading Last:	7
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		Each Run
Blank		
Reag. Range Low:		No
Reag. Range High:		No
Blank Range Low:		No
Blank Range High:		No
Factor:		-
Standard Pos:		7
	STD-1:	Standard
	STD-2:	
	STD-3:	
Replicate:		Dupl (2)
Deviation:		No
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Serum samples should be prepared as stated in package insert. R1 is the Acid Reagent. R2 is the Color Reagent.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50

* USER DEFINED

Rev: 3-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Triglyceride - GPO
Catalog # : T7531

Add 12ml and 40ml to 15 and 50ml sized vials respectively. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	550nm (4)
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	200 UL

CALCULATION

Sample Limit:	0.6000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000

Test Range Low: 0 mg/dl

Test Range High:	1000 mg/dl
Normal Range Low:	36 mg/dl
Normal Range High:	165 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	7
Reaction Limit:	-
Point:	

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.0700
Reag. Range High:		0.3000
Blank Range Low:		-0.0900
Blank Range High:		0.0700
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED
Rev: 3-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Triglyceride – GPO (Liquid)

Catalog # : T7532

Reagent provided ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	500nm
Decimal Position:	0
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	2
Volume:	3.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	200 UL

CALCULATION

Sample Limit:	0.6000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 mg/dl
Test Range High:	1000 mg/dl
Normal Range Low:	36 mg/dl
Normal Range High:	165 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	1
Reading Last:	7
Reaction Limit:	-
Point:	

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.0700
Reag. Range High:		0.3000
Blank Range Low:		-0.0900
Blank Range High:		0.0700
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 1/02

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: UIBC
Catalog # : I7504, I7506

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1-SR2
Calibration Mode:	Slope Avg
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before
Wavelength:	550nm (4)
Decimal Position:	0
Unit:	ug/dl

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	25 UL
Diluent Name:	H2O
Volume:	10 UL
Reagent Cycle:	1
Volume:	170 UL
Start Reag 1 Cycle:	2
Volume:	30 UL
Diluent:	10 UL
Start Reag 2 Cycle:	10
Volume:	5 UL
Diluent:	10

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 ug/dl
Test Range High:	510 ug/dl
Normal Range Low:	130 ug/dl
Normal Range High:	375 ug/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	9
Reading Last:	24
Reaction Limit:	-
Point:	-

.

CALIBRATION

Calib Interval:	Each Run
Blank	
Reag. Range Low:	-0.010
Reag. Range High:	2.000
Blank Range Low:	-0.010
Blank Range High:	2.000
Factor:	enter Iron calibration factor
Standard Pos:	User Defined
STD-1:	500
STD-2:	
STD-3:	
Replicate:	Dupl (2)
Deviation:	10%

Control

CS1 Pos	# Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	# Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:	No	

Reagent 1: UIBC buffer
Start reagent 1: Iron Standard
Start reagent 2: Iron Color

See Notes for detailed instructions on use of reagent and application

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

USER DEFINED

Rev: 3-03

ROCHE COBAS MIRA PLUS
UIBC – NOTES

Calculations:

Total Iron Binding Capacity is calculated as follows:

TIBC (ug/dl) = Total Iron + UIBC

% Saturation is calculated as Follows:

$$\% \text{ Saturation} = \frac{\text{Serum Iron X 100}}{\text{TIBC}}$$

Linearity:

Up to 500 ug/dl

If UIBC in the sample exceeds 500ug/dl, dilute 1 part sample with 2 parts saline and reassay. Multiply result by 3 to compensate for dilution.

Procedure:

1. Fill reagent containers with sufficient amounts of reagents.
2. Enter assay parameters as outlined.
3. Assign the 500 standard to a calibrator position as outline in the instrument settings and place the standard in that position. Calibrate the assay by requesting a pre-calibration (PC) to establish the appropriate calibration factor.
4. After a calibration factor has been determined modify the instrument settings as follows.

   GENERAL
   Calibration Mode : Factor……1
   CALCULATION
   Reaction Direction: Decrease……2
   CALIBRATION
   Factor: ……(Enter Calibration Factor from step 3)

5. Start Assay.

Procedural Notes:

1. The cup position and calibrator concentration will be automatically deleted when the calibrator mode is changed to Factor. The calibration interval is set to each run so that the reagent blank will be updated with each run. The reagent blank will be updated automatically by the instrument using the instrument diluent as sample. Calibrators are not required to update the blank.
2. It is not necessary to establish a calibration factor with each run. However, the calibration factor should be verified with each reagent lot change, instrument maintenance, or if control material indicates the need for recalibration.

Rev: 2/02

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Uric Acid (Liquid)
Catalog # : U7581

Reagent supplied as a ready to use product.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	No
Wavelength:	500nm (3)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	4.0 UL
Diluent Name:	H2O
Volume:	30.0 UL
Reagent Cycle:	1
Volume:	150 UL

CALCULATION

Sample Limit:	No
Point:	
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 mg/dl
Test Range High:	20.0 mg/dl
Normal Range Low:	2.2 mg/dl
Normal Range High:	7.7 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	CB
Reading Last:	15
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		0.0000
Reag. Range High:		0.2500
Blank Range Low:		-0.0500
Blank Range High:		0.1000
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration.

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED
Rev: 3-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: Uric Acid
Catalog # : U7580

Add 12ml and 40ml to 15 and 50ml sized vials respectively. Swirl to dissolve.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Slope Avg. (2)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	500nm (3)
Decimal Position:	1
Unit:	mg/dl (12)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	6.0 UL
Diluent Name:	H2O
Volume:	50.0 UL
Reagent Cycle:	1
Volume:	200 UL

CALCULATION

Sample Limit:	0.6000
Point:	T1
Reac. Direction:	Increase (1)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 mg/dl
Test Range High:	20.0 mg/dl
Normal Range Low:	2.2 mg/dl
Normal Range High:	7.7 mg/dl
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	T1
Reading Last:	8
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:		On Request (3)
Blank		
Reag. Range Low:		-0.0700
Reag. Range High:		0.3500
Blank Range Low:		-0.0500
Blank Range High:		0.0500
Factor:		-
Standard Pos:		1
STD-1:		User Defined
STD-2:		
STD-3:		
Replicate:		Dupl (2)
Deviation:		10%
Control		
CS1 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS2 Pos	* Low:	(User Defined)
	Assign:	
	High:	
CS3 Pos:		No

Chemistry Calibrator catalog #C7506-50 recommended for calibration

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50.

* USER DEFINED

Rev: 3-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: G6PDH
Catalog # : G7583

Reagent preparation: Prepare working reagent by adding 6 mls DH2O to the stated 6 ml vial and let dissolve. Now add 12 mls of the R2 reagent to the same vial. This is your working reagent.
Sample preparation: Add 100 ul whole blood to 0.9 mls lyse reagent and let stand 5 minutes. Mix well.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S (1)
Calibration Mode:	Factor (1)
Reagent Blank:	Reag/Dil (2)
Cleaner:	Before (2)
Wavelength:	340nm (1)
Decimal Position:	0
Unit:	U/L (21)

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	7.0 UL
Diluent Name:	H2O
Volume:	10.0 UL
Reagent Cycle:	1
Volume:	240 UL
Start Reag. 1 Cycle:	-
Volume:	-
Diluent:	-

CALCULATION

Sample Limit:	NO
Point:	T1
Reac. Direction:	Increase (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0 U/L
Test Range High:	3000 U/L
Normal Range Low:	NO
Normal Range High:	NO
Number of Steps:	1
Calc. Step A:	Kinetic (2)
Reading First:	8
Reading Last:	19
Reaction Limit:	.1000
Point:	T1

CALIBRATION

Calib Interval:	On Request (3)
Blank	
Reag. Range Low:	-0.010
Reag. Range High:	0.240
Blank Range Low:	-0.010
Blank Range High:	0.010
Factor:	98377
Standard Pos:	-
STD-1:	-
STD-2:	
STD-3:	
Replicate:	-
Deviation:	-

Control

CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

Calculations: G6PDH (U/gHgb) = G6PDH (U/l) / 10 x Hgb

* USER DEFINED

Rev: 11/02

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus
Test: HbA1c
Catalog # : H7541

Reagent preparation: Reagent provided ready to use.
Sample preparation: Add 10 ul packed cells to 1.0 mls hemolysis reagent and let stand 5 minutes. Mix well.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Std. NONLIN
Reagent Blank:	NO Blk
Cleaner:	NO
Wavelength:	600nm (1)
Decimal Position:	2
Unit:	%

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	7.0 UL
Diluent Name:	H2O
Volume:	3.0 UL
Reagent Cycle:	1
Volume:	240 UL
Start Reag. 1 Cycle:	12
Volume:	80 UL
Diluent:	5.0 UL

CALCULATION

Sample Limit:	NO
Point:	-
Reac. Direction:	Increase (2)
Check:	On
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	0
Test Range High:	16.0
Normal Range Low:	NO
Normal Range High:	NO
Number of Steps:	1
Calc. Step A:	ENDPOINT
Reading First:	13
Reading Last:	24
Reaction Limit:	-
Point:	-

CALIBRATION

Calib Interval:	On Request (3)	
Blank		
Reag. Range Low:	-0.010	
Reag. Range High:	0.240	
Blank Range Low:	-0.010	
Blank Range High:	0.010	
Factor:	-	
Standard Pos:	1	
STD-1:	*	STD-4: *
STD-2:	*	STD-5: *
STD-3:	*	
Replicate:	Single	
Deviation:	NO	
CALC MODEL:	Logit/LOG	

Control

CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	* Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

* USER DEFINED
Rev: 11-03

Pointe Scientific, Inc.

Instrument Application

Analyzer: Cobas Mira Plus

Test: Rheumatoid Factor

Catalog # : R7568

Reagents ready to use.

GENERAL

Measurement Mode:	Absorb
Reaction Mode:	R-S-SR1
Calibration Mode:	Lin Inter
Reagent Blank:	Reag/Dil (2)
Cleaner:	No (1)
Wavelength:	3400nm
Decimal Position:	0
Unit:	IU/ml

ANALYSIS

Post Dil. Factor:	No
Post Conc. Factor:	No
Sample Cycle:	1
Volume:	15.0 UL
Diluent Name:	H2O
Volume:	20.0 UL
Reagent Cycle:	1
Volume:	250 UL
Start 1 cycle:	13
Volume:	75 UL
Diluent:	10 UL

CALCULATION

Sample Limit:	No
Point:	-
Reac. Direction:	Increase (1)
Check:	Off
Convers. Factor:	1.00000
Offset:	0.00000
Test Range Low:	No
Test Range High:	No
Normal Range Low:	No
Normal Range High:	No
Number of Steps:	1
Calc. Step A:	Endpoint (1)
Reading First:	12
Reading Last:	25
Reaction Limit:	No
Point:	-

CALIBRATION

Calib Interval:	On Request (3)
Blank:	-
Reag. Range Low:	No
Reag. Range High:	No
Blank Range Low:	No
Blank Range High:	No
Factor:	-
Standard Pos:	1
STD-1:	User Defined
STD-2:	User Defined
STD-3:	User Defined
Replicate:	Single
Deviation:	No

Control

CS1 Pos	* Low: (User Defined)
	Assign:
	High:
CS2 Pos	*Low: (User Defined)
	Assign:
	High:
CS3 Pos:	No

*User Defined

Rev. 11-03