Instrument Application

Analyzer: Cobas Mira Plus Test: β- Hydroxybutyrate

Catalog # : H7587

Single

No

Reagent preparation: Reagents provided as ready to use liquids.

GENERAL CALIBRATION Measurement Mode: Absorb Calib Interval: On Request (3) Reaction Mode: R-S-SR1 Blank Reag. Range Low: Calibration Mode: Slope Avg. NO Reagent Blank: Reag/Dil (2) Reag. Range High: NO Cleaner: NO Blank Range Low: NO Wavelength: 500nm Blank Range High: NO **Decimal Position:** 2 Factor: Unit: mmol/L Standard Pos: **ANALYSIS** STD-1:

Post Dil. Factor: STD-2: No Post Conc. Factor: No STD-3: Sample Cycle: 1 Replicate:

Volume: 3.0 uL Diluent Name: H₂O Volume: 20.0 uL

CS1 Pos * Low: (User Defined) Reagent Cycle: 1 Assign: Volume: High: 105 uL Start Reag. 1 Cycle: CS2 Pos * Low: (User Defined)

60.0 uL

Volume: 18 uL Assign: Diluent: High: H₂O

CALCULATION

Volume:

Sample Limit: NO Point:

Increase (2) Reac. Direction:

Check: On

Convers. Factor: 1.00000 Offset: 0.00000

0 Test Range Low: 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 12 Reading Last: Reaction Limit: NO Point:

* USER DEFINED

Rev: 3-03

Deviation:

Control

CS3 Pos:

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: Reag/Dil 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

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:

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

370 UL Volume:

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

Number of Steps:

Normal Range High:

Calc. Step A: Endpoint (1)

5.3 G/DL

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: -0.010Blank Range High: 0.375

Factor:

Standard Pos:

User Defined STD-1:

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

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

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		CALIBRATIO	<u>N</u>	
Measurement Mode:	Absorb	Calib Interval:		On Request (3)
Reaction Mode:	R-S (1)	Blank		
Calibration Mode:	Factor (1)	Reag. Range Lo	w:	0.0500
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig	gh:	0.8000
Cleaner:	No (1)	Blank Range Lo	w:	0040
		Blank Range Hig	gh:	0.0080
Wavelength:	405nm (2)			
Decimal Position:	0	Factor:		2844
Unit:	U/L (21)			
		Standard Pos:		-
<u>ANALYSIS</u>		STD-1:		-
Post Dil. Factor:	No	STD-2:		
Post Conc. Factor:	No	STD-3:		
Sample Cycle:	1	Replicate:		_
Volume:	5 UL	Deviation:		_
Diluent Name:	H2O			
Volume:	30 UL	Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1		Assign:	
Volume:	125 UL		High:	
		CS2 Pos		(User Defined)
CALCULATION			Assign:	
Sample Limit:	0.3500		High:	
Point:	T1	CS3 Pos:	•	No
Reac. Direction:	Increase (1)			
Check:	On			
		* USER DEFIN	ED	
Convers. Factor:	1.00000			
Offset:	0.00000			o levels of contro leorder PSI Chemis

ls of control $\label{eq:material} \mbox{ material be assayed daily. Reorder PSI Chemistry }$ Controls Cat.# C7590-50 & C7591-50.

Rev: 2-03

Number of Steps: 1

Test Range Low:

Test Range High:

Normal Range Low:

Normal Range High:

Calc. Step A: Kinsearch (3)

0 U/L

35 U/L

123 U/L

1500 U/L

Reading First: Reading Last: Reaction Limit: 0.530 Point: T1

Instrument Application

Analyzer: Cobas Mira Plus Test: Alkaline Phosphatase

Catalog # : A7516

Reading First: Reading Last:

Reaction Limit:

Point:

10

No

Single working reagent	is prepared by	mixing 4 parts	s R1 with 1 part R	2.	
	ingle Reagent		•		
GENERAL	_		CALIBRATIO	N	
Measurement Mode:	Absorb		Calib Interval:	_	On Request (3)
Reaction Mode:	R-S-(1)	R-S-SR1(3)	Blank		•
Calibration Mode:	Factor (1)		Reag. Range Lov	w:	0.1200
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig		0.5000
Cleaner:	No (1)	,	Blank Range Lo		-0.0050
	. ,		Blank Range Hig		0.0050
Wavelength:	405nm (2)			5	
Decimal Position:	0		Factor:		4521
Unit:	U/L (21)		1 400011		.021
C III C	C/L (21)		Standard Pos:		_
ANALYSIS			STD-1:		_
Post Dil. Factor:	No		STD-2:		
Post Conc. Factor:	No		STD-2: STD-3:		
Fost Colle. Factor.	NO		S1D-3.		
Sample Cycle:	2	2	Replicate:		
Volume:	4 UL	4 UL	Deviation:		-
Diluent Name:	_	_	Deviation.		-
	H2O	H2O	C . 1		
Volume:	30 UL	20 UL	Control	.u. T	(II D (" 1)
			CS1 Pos		(User Defined)
Reagent Cycle:	1	1		Assign:	
Volume:	170 UL	135 UL		High:	
Start Reag 1 Cycle:	-	1	CS2 Pos	* Low:	(User Defined)
Volume:	-	35.0 UL		Assign:	
Diluent Name:	-	H2O		High:	
Diluent:	-	10.0 UL	CS3 Pos:		No
a a					
CALCULATION				-	
Sample Limit:	No		*USER DEFINE		
Point:	-				o levels of control
Reac. Direction:	Increase (1	.)			Reorder PSI Chemistry
			Controls Cat.# (C7590-50	& C7591-50.
Check:	Off				
Convers. Factor:	1.00000		Rev: 2-03		
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				
1					
Calc. Step A:	Kinsearch	(3)			
D 1' E'	~				

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		CALIBRATIO
Measurement Mode:	Absorb	Calib Interval:
Reaction Mode:	R-S (1)	Blank
Calibration Mode:	Factor (1)	Reag. Range Lo
Reagent Blank:	Reag/Dil (2)	Reag. Range His
Cleaner:	No (1)	Blank Range Lo
		Blank Range Hi
Wavelength:	340nm (1)	
Decimal Position:	0	Factor:
Unit:	U/L (21)	
		Standard Pos:
<u>ANALYSIS</u>		STD-1:

<u>ANAL 1 515</u>				
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: Reading Last: 11 **Reaction Limit:** .1450 Point: T1

N

On Request (3)
0.5400
1.6000
-0.0040
0.0040

3463

STD-2:

Replicate: Deviation:

STD-3:

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

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 rea	gent	2Part app.

<u>GENERAL</u>			CALIBRATION	<u> </u>	
Measurement Mode:	Absorb		Calib Interval:		On Request (3)
Reaction Mode:	R-S-(1)	R-S-SR1 (3)	Blank		
Calibration Mode:	Factor (1)		Reag. Range Lov	w:	0.4200
Reagent Blank:	Reag/Dil (2)		Reag. Range Hig	gh:	2.0000
Cleaner:	Before (2)		Blank Range Lov	w:	-0.0050
			Blank Range Hig	gh:	0.0050
Wavelength:	340nm (1)				
Decimal Position:	0		Factor:		4788
Unit:	U/L (21)				
			Standard Pos:		-
<u>ANALYSIS</u>			STD-1:		-
Post Dil. Factor:	No		STD-2:		
Post Conc. Factor:	No		STD-3:		
Sample Cycle:	2	2	Replicate:		-
Volume:	12.0 UL	12.0 UL	Deviation:		-
Diluent Name:	H2O	H2O			
Volume:	25.0 UL	10.0 UL	Control		
			CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1	1		Assign:	
Volume:	155 UL	125 UL		High:	
Start Reag 1 Cycle:	-	1	CS2 Pos	* Low:	(User Defined)
Volume:	_	30.0 UL		Assign:	
Diluent Name:	_	H2O		High:	
Diluent:	-	15.0 UL	CS3 Pos:	-	No

CALCULATION

Sample Limit:	No	*USER DEFINED

Point: It is recommended that two levels of control Reac. Direction: Decrease (2) material be assayed daily. Reorder PSI Chemistry

Controls Cat.# C7590-50 & C7591-50. Check: On

Convers. Factor: 1.00000 Rev: 5-03

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: Reading Last: 12 Reaction Limit: No Point:

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

Massurement Model: Absorb

Calib Interval:

Measurement Mode: Absorb Calib Interval: On Request (3)
Reaction Mode: R-S-SR1 Blank
Calibration Mode: Slope Avg. Reag. Range Low: No

Reagent Blank: Reag/Dil Reag. Range High: No Cleaner: No Blank Range Low: No Blank Range High: No

Wavelength: 340nm
Decimal Position: 0 Factor: -

Unit: Factor:
Unit: umol/L (ug/dl)

Standard Pos:

ANALYSIS

STD-1:
User Defined

Post Dil. Factor: No STD-2:
Post Conc. Factor: No STD-3:

Sample Cycle: 1 Replicate: Dupl (2)
Volume: 40.0 UL Deviation: 10%

Volume: 40.0 UL Deviation: 10%

Diluent Name: H2O
Volume: 50.0 UL Control

CS1 Pos * Low: (User Defined)
Reagent Cycle: 1 Assign:

Volume: 150 UL High:
Start Reag 1 Cycle: 10 CS2 Pos * Low: (User Defined)

Volume: 8.0 UL Assign:
Diluent Name: H2O High:

Diluent: 4.0 UL CS3 Pos: No

CALCULATION

Sample Limit: No * USER DEFINED

Point: -

Reac. Direction: Decrease
Check: On Rev: 2-03

CHECK. OII Rev. 2-03

Convers. Factor: 1.00000 Offset: 0.00000

Test Range Low: 0 U/L
Test Range High: 600 U/L
Normal Range Low: *

Normal Range Low: *
Normal Range High: *

Number of Steps: 1

Calc. Step A: Endpoint (1)

Reading First: 9
Reading Last: 21
Reaction Limit: Point: -

Instrument Application

Analyzer: Cobas Mira Plus

Test: Amylase Catalog # : A7564

Reagent provided as a ready to use liquid.

CI	EN	\mathbf{F}	R	٨	T
(TI	VI.	E.	ĸ	А	L

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

Instrument Application

Analyzer: Cobas Mira Plus Test: Apolipoprotein A-1 Catalog # : A7544

GENERAL CALIBRATION Measurement Mode: Absorb

R-S-SR1 Reaction Mode: Calibration Mode: Std Nonlin Reagent Blank: Reag/Dil (2) Cleaner: No (1)

Wavelength: 340nm (1)

Decimal Position: 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: Volume: 75 UL

Diluent:

CALCULATION

Sample Limit: No Point:

Reac. Direction: Increase (1)

10.0 UL

Check: On

Convers. Factor: 1.00000

0.00000 Offset:

Test Range Low: 0.0 mg/dlTest 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:

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:

Cal-1:

Cal 2-6: User Defined

Replicate: Single Deviation: No

CONTROL

CS1 Pos: (User Defined)

(User Defined) CS2 Pos

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

Instrument Application

Analyzer: Cobas Mira Plus Test: Apolipoprotein B

Catalog # : A7588

GENERA A	١L
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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:

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/dlTest 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

On Request (3) Calib Interval:

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

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		CALIBRATIO	<u>N</u>	
Measurement Mode:	Absorb	Calib Interval:	On Request (3)	
Reaction Mode:	R-S (1)	Blank		
Calibration Mode:	Factor (1)	Reag. Range Lov	w:	0.5400
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig	gh:	1.6000
Cleaner:	No (1)	Blank Range Lo	w:	-0.0040
		Blank Range Hig		0.0040
Wavelength:	340nm (1)			
Decimal Position:	0	Factor:		3463
Unit:	U/L (21)			
	,	Standard Pos:		-
ANALYSIS		STD-1:		_
Post Dil. Factor:	No	STD-2:		
Post Conc. Factor:	No	STD-3:		
Sample Cycle:	1	Replicate:		_
Volume:	13 UL	Deviation:		_
Diluent Name:	H2O			
Volume:	30 UL	Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1	001100	Assign:	(eser zermeu)
Volume:	125 UL		High:	
, , , , , , , , , , , , , , , , , , , ,		CS2 Pos	_	(User Defined)
CALCULATION		0.2100	Assign:	(Cour Delinea)
Sample Limit:	0.7000		High:	
Point:	T1	CS3 Pos:	8	No
Reac. Direction:	Decrease (2)			- 1 - 1
Check:	On	* USER DEFIN	ED	
Convers. Factor:	1.00000	It is recommende	ed that tw	o levels of control
Official	0.00000	metarial has asserted daily Doorder DCI Chan		

Convers. Factor: 1.00000 It is recommended that two levels of control
Offset: 0.00000 material be assayed daily. Reorder PSI Chemistry
Controls Cat.# C7590-50 & C7591-50.

Test Range Low: 0 U/L
Test Range High: 500 U/L
Normal Range Low: 0 U/L

Normal Range High: 40 U/L Rev: 2-03

Number of Steps: 1

Calc. Step A: Kinsearch (3)

Reading First: 3
Reading Last: 11
Reaction Limit: .1450
Point: T1

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 working reagent is	ngle reagent		s K1 with 1 part K	.2.	
GENERAL SI	ngie reagent	2Part app.	CALIDDATIO	N T	
Measurement Mode:	Absorb		CALIBRATIO Calib Interval:	<u>LN</u>	On Request (3)
Reaction Mode:		R-S-SR1 (3)	Blank		On Request (3)
Calibration Mode:	Factor (1)	K-5-5K1 (5)	Reag. Range Lo	w.	0.4200
Reagent Blank:	Reag/Dil (2)	1	Reag. Range His		2.0000
Cleaner:	Before (2)	•	Blank Range Lo		-0.0050
Cicaner.	Delote (2)		Blank Range Hi		0.0050
Wavelength:	340nm (1)		Diank Range III	gıı.	0.0030
Decimal Position:	0		Factor:		4788
Unit:	U/L (21)		ractor.		4700
Cint.	O/L (21)		Standard Pos:		_
<u>ANALYSIS</u>			STD-1:		_
Post Dil. Factor:	No		STD-2:		
Post Conc. Factor:	No		STD-3:		
r ost cone. r actor.	110		512 3.		
Sample Cycle:	2	2	Replicate:		_
Volume:	12.0 UL	12.0 UL	Deviation:		_
Diluent Name:	H2O	H2O	20,140,011		
Volume:	25.0 UL	10.0 UL	Control		
			CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1	1		Assign:	,
Volume:	155 UL	125 UL		High:	
Start Reag 1 Cycle:	_	1	CS2 Pos		(User Defined)
Volume:	_	30.0 UL		Assign:	(
Diluent Name:	_	H2O		High:	
Diluent:	-	15.0 UL	CS3 Pos:	C	No
CALCULATION					
Sample Limit:	No		It is recommend	led that tv	vo levels of control
Point:	-		material be assa	yed daily	. Reorder PSI Chemistry
Reac. Direction:	Decrease (2))	Controls Cat.# (C7590-50	& C7591-50.
Check:	On				
Convers. Factor:	1.00000		* USER DEFIN	ED	
Offset:	0.00000				
Test Range Low:	0 U/L		Rev: 5-03		
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: -

Instrument Application

Analyzer: Cobas Mira Plus Test: Liquid auto HDL

Catalog # : H7545

Reagents are supplied ready to use.

GENERALCALIBRATIONMeasurement Mode:AbsorbCalib Interval:On Request (3)Reaction Mode:R-S-SR1BlankCalibration Mode:Slope Avg. (2)Reag. Range Low:No

Reagent Blank: Reag/Dil (2) Reag. Range High: No Cleaner: No Blank Range Low: No Blank Range High: No

Wavelength: 600nm (5)

Decimal Position: 0 Factor: Unit: mg/dl

Standard Pos: 1

ANALYSIS STD-1: User Defined Post Dil. Factor: No STD-2: Post Conc. Factor: No STD-3:

Sample Cycle: 1 Replicate: Dupl (2)

Volume: 3.0 U/L Deviation: No Diluent Name: H2O

Diluent Name: H2O
Volume: 10.0 UL Control

CS1 Pos * Low: (User Defined)
Reagent Cycle: 1 Assign:

Volume: 240 UL High:
Start Reag 1 Cycle: 12 CS2 Pos *Low: (Use

Start Reag 1 Cycle: 12 CS2 Pos *Low: (User Defined)
Volume: 80.0 UL Assign:
Diluent Name: H2O High:

Diluent: H2O High:
Diluent: 5.0 UL CS3 Pos: No

CALCULATION

Sample Limit: No autoHDL/LDL calibrator recommended for calibration.

Catalog# H7545-CAL
Point: -

Reac. Direction: Increase (1)
Check: Off * USER DEFINED

CHECK. OH USER DEFINED

Convers. Factor: 1.00000 Offset: 0.00000 Rev: 2/03

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: -

Instrument Application

Analyzer: Cobas Mira Plus

Test: auto LDL Catalog # : L7574

GENERAL CALIBRATION

Measurement Mode: Absorb Calib Interval: On Request (3) Reaction Mode: R-S-SR1 Blank

Reag. Range Low: Calibration Mode: Slope Avg. (2) -0.100Reag/Dil (2) Reag. Range High: Reagent Blank: 2.000 Blank Range Low: Cleaner: No (1) -0.1000Blank Range High: 1.5000

Wavelength: 550nm (4)

Decimal Position: Factor:

Unit: mg/dl Standard Pos:

User Defined **ANALYSIS** STD-1:

Post Dil. Factor: No STD-2: Post Conc. Factor: No STD-3:

Sample Cycle: Replicate: Dupl (2) 1 Volume: 2.4 UL Deviation: 10%

Diluent Name: H₂O Volume: 10 UL Control

CS1 Pos * Low: (User Defined) Reagent Cycle: 1 Assign:

240 UL Volume: High: * Low: (User Defined) Start Reag 1 Cycle: 12 CS2 Pos

Volume: 80.0 UL Assign: Diluent Name: H₂O High:

CS3 Pos: Diluent: 5.0 UL No

CALCULATION

Sample Limit: No Enter calibrator value.

Point: AutoHDL/LDL calibrator catalog# H7545-CAL is Reac.

Rev: 2/03

Direction: Increase (1) recommended for calibration.

Check: On

* USER DEFINED Convers. Factor: 1.00000

0.00000 Offset:

Test Range Low: Test Range High: 700 Normal Range Low: 20 mg/dl Normal Range High: 130 mg/dl

0

Number of Steps:

Calc. Step A: Endpoint (1)

Reading First: 11 Reading Last: 24 Reaction Limit: Point:

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		CALIBRATION	<u>1</u>	
Measurement Mode:	Absorb	Calib Interval:		On Request (3)
Reaction Mode:	R-S-SR1 (3)	Blank		•
Calibration Mode:	Slope Avg. (2)	Reag. Range Lov	v:	No
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig	h:	No
Cleaner:	Before (2)	Blank Range Lov	v:	No
		Blank Range Hig	th:	No
Wavelength:	550nm (4)			
Decimal Position:	1	Factor:		-
Unit:	mg/dl (12)			
		Standard Pos:		User Defined
ANALYSIS		STD-1:		User Defined
Post Dil. Factor:	No	STD-2:		
Post Conc. Factor:	No	STD-3:		
Sample Cycle:	1	Replicate:		Dupl (2)
Volume:	30.0 UL	Deviation:		10%
Diluent Name:	H2O			
Volume:	50.0 UL	Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1		Assign:	·
Volume:	300 UL		High:	
Start Reag 1 Cycle:	2	CS2 Pos	_	(User Defined)
Volume:	4.0 UL		Assign:	· ·
Diluent Name:	H2O		High:	
Diluent:	20.0 UL	CS3 Pos:	J	No

CALCULATION

Sample Limit: No

Point: - Chemistry Calibrator catalog #C7506-50 recommended for

calibration.

Reac. Direction: Increase (1)

Check: On * USER DEFINED

Convers. Factor: 1.00000 Rev: 2-03

0.5 mg/dl

Offset: 0.00000

Test Range Low:

0.0 mg/dl

Test Range Low:

0.0 mg/dl

Test Range Low:

0.0 mg/dl

Control Co

Test Range High: 20.0 mg/dl Controls Cat.# C7590-50 & C7591-50. Normal Range Low: 0.0 mg/dl

Number of Steps: 1

Normal Range High:

Calc. Step A: Endpoint (1)

Reading First: 2 Reading Last: 8

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:

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

Instrument Application

Analyzer: Cobas Mira Plus

Test: BUN

Catalog # : B7550

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

No (1)

GENERAI

Cleaner:

Measurement Mode: Absorb Reaction Mode: R-S(1) Calibration Mode: Slope Avg. (2) Reagent Blank: Reag/Dil (2)

Wavelength: 340nm (1) Decimal Position:

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: -0.0100Blank Range High: 0.0100

Factor:

Standard Pos:

User Defined STD-1:

> 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

Instrument Application

Analyzer: Cobas Mira Plus

Test: BUN (Liquid) Catalog # : B7552

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

GENER!	١
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Measurement Mode: Absorb Reaction Mode: R-S(1) Slope Avg. (2) Calibration Mode: Reag/Dil (2)

Reagent Blank: Cleaner: No (1)

Wavelength: 340nm (1) Decimal Position:

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 0.00000 Offset:

Test Range Low: 0.0 mg/dlTest 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: -0.0100Blank Range High: 0.0100

Factor:

Standard Pos:

User Defined STD-1:

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

Instrument Application

Analyzer: Cobas Mira Plus Test: Calcium (Liquid)

Catalog # : C7503

Prepare reagent as stated in package insert instructions.

<u>GENERAL</u>		<u>CALIBRATION</u>
Magazimamant Madai	A la comb	Calib Interval

On Request (3) Measurement Mode: Absorb Calib Interval: Reaction Mode: R-S(1)Blank Calibration Mode: Slope Avg. (2) Reag. Range Low: -0.0500

Reagent Blank: Reag/Dil (2) Reag. Range High: 0.5000 Cleaner: Before (2) Blank Range Low: -0.0800 Blank Range High: 0.1000

Wavelength: 550nm (4) Decimal Position: Factor:

Unit: mg/dl (12)

Standard Pos: **ANALYSIS** STD-1: User Defined

Post Dil. Factor: STD-2: No Post Conc. Factor: No STD-3:

Sample Cycle: 2 Replicate: Dupl (2) Volume: 10 UL Deviation: 10%

Diluent Name: H2O Volume: 10 UL Control

CS1 Pos * Low: (User Defined) Reagent Cycle: Assign:

360 UL Volume: High: CS2 Pos * Low: (User Defined) **CALCULATION** Assign:

Sample Limit: High: No Point: CS3 Pos: No

Reac. Direction: Increase (1)

Chemistry Calibrator catalog #C7506-50 recommended for calibration. Convers. Factor: 1.00000

Rev: 2-03

It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Test Range Low: 0.0 mg/dlTest Range High: 20.0 mg/dl Controls Cat.# C7590-50 & C7591-50

Normal Range Low: 8.5 mg/dl

Normal Range High: 10.4 mg/dl * USER DEFINED

Endpoint (1)

1

On

0.00000

Reading First: Reading Last: 5 Reaction Limit: Point:

Check:

Offset:

Number of Steps:

Calc. Step A:

Instrument Application

Analyzer: Cobas Mira Plus

Test: Calcium (Dry) Catalog # : C7508

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

Point:

GENERAL Measurement Mode: Reaction Mode: Calibration Mode: Reagent Blank: Cleaner:	Absorb R-S (1) Slope Avg. (2) Reag/Dil (2) Before (2)	Blank Reag. Range Low: Reag. Range High: Blank Range Low:		On Request (3) -0.0500 0.5000 -0.0800 0.1000
Wavelength: Decimal Position: Unit:	550nm (4) 1 mg/dl (12)	Factor:		-
ANALYSIS Post Dil. Factor: Post Conc. Factor:	No No	Standard Pos: STD-1: STD-2: STD-3:		1 User Defined
Sample Cycle: Volume: Diluent Name: Volume:	2 10 UL H2O 10 UL	Replicate: Deviation: Control		Dupl (2) 10%
Reagent Cycle: Volume:	1 360 UL	CS1 Pos	* Low: Assign: High: * Low:	(User Defined) (User Defined)
CALCULATION Sample Limit:	No		Assign: High:	
Point: Reac. Direction: Check:	Increase (1) On	CS3 Pos:		No
Convers. Factor: Offset:	1.00000 0.00000	Chemistry Calibration.	orator cata	alog #C7506-50 recommended
Test Range Low: Test Range High: Normal Range Low: Normal Range High:	0.0 mg/dl 20.0 mg/dl 8.5 mg/dl 10.4 mg/dl	It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50		
Number of Steps:	1	* USER DEFIN	ED	
Calc. Step A:	Endpoint (1)	Rev: 2-03		
Reading First: Reading Last: Reaction Limit:	1 5 -			

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)

Ct. 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

CS2 Pos

CS1 Pos * Low: (User Defined)

Assign: High:

* 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

Instrument Application

Analyzer: Cobas Mira Plus

Test: Carbon Dioxide Catalog # : C7504

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

Point:

GENERAL Measurement Mode: Reaction Mode: Calibration Mode: Reagent Blank: Cleaner:	Absorb R-S (1) Slope Avg. (2) Reag/Dil (2) Before (2)	CALIBRATION Calib Interval: Blank Reag. Range Lov Reag. Range Hig Blank Range Lov Blank Range Hig	w: gh: w:	On Request (3) No No No No No
Wavelength:	340nm (1)			
Decimal Position: Unit:	0 mmol/l	Factor:		-
Cilit.	IIIIIOI/I	Standard Pos:		1
<u>ANALYSIS</u>		STD-1:		User Defined
Post Dil. Factor:	1.000	STD-2:		
Post Conc. Factor:	No	STD-3:		
Sample Cycle:	2	Replicate:		Dupl (2)
Volume:	2.0 UL	Deviation:		10%
Diluent Name:	H2O			
Volume:	10.0 UL	Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1		Assign:	
Volume:	300 UL		High:	
a a a		CS2 Pos		(User Defined)
CALCULATION			Assign:	
Sample Limit:	No	GGA D	High:	
Point:	-	CS3 Pos:		No
Reac. Direction:	Decrease (2)	GI 1 G 11		1 407506 50
Check:	On	for calibration	rator cata	alog #C7506-50 recommended
Convers. Factor:	1.00000	ioi vanoration		
Offset:	0.00000			
		It is recommende	ed that tw	o levels of control
Test Range Low:	0 mmol/l	material be assay	ed daily.	Reorder PSI Chemistry
Test Range High:	40 mmol/l	Controls Cat.# C		
Normal Range Low:	23 mmol/l			
Normal Range High:	34 mmol/l			
		* USER DEFINI	ED	
Number of Steps:	1			
Calc. Step A:	Endpoint (1)	Rev: 2/03		
Reading First:	2			
Reading Last:	4			
Reaction Limit:	-			
Reaction Limit.				

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

Calc. Step A:

Reading First:

Reading Last:

Point:

Reaction Limit:

Endpoint (1)

T1

13

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.

<u>GENERAL</u>		<u>CALIBRATIO</u>	<u>N</u>	
Measurement Mode:	Absorb	Calib Interval:		On Request (3)
Reaction Mode:	R-S (1)	Blank		
Calibration Mode:	Slope Avg. (2)	Reag. Range Lo		-0.0700
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig		0.1300
Cleaner:	No (1)	Blank Range Lo	w:	-0.0500
		Blank Range Hig	gh:	0.0500
Wavelength:	500nm (3)			
Decimal Position:	0	Factor:		-
Unit:	mg/dl (12)			
		Standard Pos:		1
<u>ANALYSIS</u>		STD-1:		User Defined
Post Dil. Factor:	No	STD-2:		
Post Conc. Factor:	No	STD-3:		
Sample Cycle:	1	Replicate:		Dupl (2)
Volume:	3.0 UL	Deviation:		10%
Diluent Name:	H2O			
Volume:	50.0 UL	Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1		Assign:	()
Volume:	165 UL		High:	
		CS2 Pos		(User Defined)
CALCULATION			Assign:	(= = = = = = = = = = = = = = = = = = =
Sample Limit:	0.1000		High:	
Point:	T1	CS3 Pos:	1118111	No
Reac. Direction:	Increase (1)	CB3 1 05.		110
Check:	On	Chemistry Calib	rator cat	alog #C7506-50 recommended
check.	Oli	for calibration.	rator catt	alog #e7500 50 Tecommended
Convers. Factor:	1.00000	ioi canoration.		
Offset:	0.00000	It is recommend	ed that tw	o levels of control
Offset.	0.00000			Reorder PSI Chemistry
Test Range Low:	0.0 mg/dl	Controls Cat.# (
Test Range Low. Test Range High:	500 mg/dl	Controls Cat.# C	J1390 - 30	& C/391-30.
Normal Range Low:	120 mg/dl	* USER DEFIN	ED	
	240 mg/dl	OSEK DEFIN	LD	
Normal Range High:	240 ilig/ul	Rev: 2/03		
Number of Ctons	1	Nev: 2/03		
Number of Steps:	1			

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

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	CALIBRATION Calib Interval:	<u> 1</u>	On Paguage (2)
Reaction Mode:	R-S (1)	Blank		On Request (3)
Calibration Mode:	Factor (1)	Reag. Range Low:		0.0500
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig		0.7000
Cleaner:	No (1)	Blank Range Lov		-0.0900
Cicalici.	140 (1)	Blank Range Hig		0.0800
Wavelength:	340nm (1)	Diank Range Ing	511.	0.0000
Decimal Position:	0	Factor:		8574
Unit:	U/L (21)			
	` '	Standard Pos:		-
<u>ANALYSIS</u>		STD-1:		-
Post Dil. Factor:	No	STD-2:		
Post Conc. Factor:	No	STD-3:		
Sample Cycle:	1	Replicate:		-
Volume:	5.0 UL	Deviation:		-
Diluent Name:	H2O			
Volume:	30.0 UL	Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1		Assign:	
Volume:	125 UL		High:	
		CS2 Pos	* Low:	(User Defined)
CALCULATION			Assign:	
Sample Limit:	0.5000		High:	
Point:	T1	CS3 Pos:		No
Reac. Direction:	Increase (1)			
Check:	On			
		It is recommende	ed that tw	o levels of control
Convers. Factor:	1.00000			Reorder PSI Chemistry
Offset:	0.00000	Controls Cat.# C	C7590-50	& C7591-50.
Test Range Low:	0 U/L	* USER DEFINI	ED	
Test Range High:	2000 U/L			
Normal Range Low:	25 U/L	Rev: 2-03		
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			
D ' /	TD 1			

Point:

T1

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			CALIBRATION	<u>1</u>	
Measurement Mode:	Absorb		Calib Interval:	_	On Request (3)
Reaction Mode:	R-S (1)	R-S-SR1	Blank		•
Calibration Mode:	Factor (1)		Reag. Range Lov	v:	0.0500
Reagent Blank:	Reag/Dil (2)		Reag. Range Hig	h:	0.7000
Cleaner:	No (1)		Blank Range Lov	v:	-0.0900
			Blank Range Hig	h:	0.0800
Wavelength:	340nm (1)				
Decimal Position:	0		Factor:		9914
Unit:	U/L (21)				
			Standard Pos:		-
<u>ANALYSIS</u>			STD-1:		-
Post Dil. Factor:	No		STD-2:		
Post Conc. Factor:	No		STD-3:		
Sample Cycle:	1	2	Replicate:		-
Volume:	5.0 UL	5.0 UL	Deviation:		-
Diluent Name:	H2O	H2O			
Volume:	30.0 UL	15.0 UL	Control		
			CS1 Pos	* Low:	* (User Defined)
Reagent Cycle:	1	1		Assign:	
Volume:	150 UL	120 UL		High:	
Start Reag. 1 Cycle		1	CS2 Pos	* Low:	* (User Defined)
Volume:		30.0 UL		Assign:	
Diluent Name:		H2O		High:	
Diluent:		15.0 UL	CS3 Pos:		No

CALCULATION

Sample Limit: No It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Point: Reac. Direction: Increase (1) Controls Cat.# C7590-50 & C7591-50.

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: Reading Last: 12 Reaction Limit: No Point:

*USER DEFINED

Rev: 2/03

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: Reaction Mode:	Absorb R-S (1	CALIBRATION Calib Interval: Blank	<u>N</u>	On Request (3)
Calibration Mode:	Factor (1)	Reag. Range Lov	w:	0.0500
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig	gh:	0.7000
Cleaner:	No (1)	Blank Range Lo	•	-0.0900
		Blank Range Hig	gh:	0.0800
Wavelength:	340 (1)			
Decimal Position:	0	Factor:		6200
Unit:	U/L (21)			
		Calibrator Cup P	os.	_
<u>ANALYSIS</u>		CAL-1:		-
Post Dil. Factor:	No			
Post Conc. Factor:	No			
Sample Cycle:	1	Replicate:		_
Volume:	16.0 UL	Deviation:		-
Diluent:	10.0 UL			
		Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1		Assign:	

Volume:

150 UL

Start Reag 1 Cycle:

Volume:

Diluent:

High:

CS2 Pos * Low: (User Defined)

Assign:

High:

CS3 Pos: No

Rev: 2-03

CALCULATION

Sample Limit: NO *USER DEFINED

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

Instrument Application

Analyzer: Cobas Mira Plus

Test: Creatinine 2-Part Application

Catalog # : C7539

No

GENERAL CALIBRATION

Measurement Mode: Absorb Calib Interval: On Request (3) R-S-SR1 Reaction Mode: Blank

Reag. Range Low: Calibration Mode: Slope Avg. (2) 0.0100 Reag/Dil (2) Reag. Range High: Reagent Blank: 0.45000 Cleaner: Before Blank Range Low: -0.0030

Blank Range High: 0.0300 Wavelength: 500nm (3)

Decimal Position: Factor:

Unit: mg/dl (12)

Standard Pos:

ANALYSIS STD-1: User Defined Post Dil. Factor: No STD-2:

Post Conc. Factor: No STD-3:

Sample Cycle: 1 Replicate: Dupl (2)

15.0 UL Volume: Deviation: 10%

Diluent Name: H₂O

Volume: 20.0 UL Control

* Low: (User Defined) CS1 Pos Reagent Cycle: Assign:

100 UL Volume: High: * Low: (User Defined) CS2 Pos

Start Reag. 1Cycle: 2 Volume: 50.0 UL Assign:

Diluent Name: H₂O High: CS3 Pos: Volume: 10.0 UL

CALCULATION

Sample Limit: Chemistry Calibrator catalog #C7506-50 recommended No

Point: for calibration.

Reac. Direction: Increase (1)

Check: It is recommended that two levels of control

Convers. Factor: 1.00000 material be assayed daily. Reorder PSI Chemistry

Controls Cat.# C7590-50 & C7591-50. Offset: 0.00000

Test Range Low: 0.0 mg/dlTest Range High: 25.0 mg/dl Normal Range Low: 0.4 mg/dl

1.4 mg/dlNormal Range High: * USER DEFINED Rev: 2-03

Number of Steps: 1

Calc. Step A: Kinetic (2)

Reading First: 3 7 Reading Last: Reaction Limit: No (1)

Point:

Instrument Application

Analyzer: Cobas Mira Plus

Test: CRP (HS)
Catalog # : C7564

Reagents are ready to use.

<u>GEN</u>	NERAL	in	

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:

No

* User defined

CS3 Pos:

Use saline as 0.0 standard Enter calibrator values.

Rev: 11/03

Instrument Application

Analyzer: Cobas Mira Plus

Test: Fructosamine Catalog # : F7546

Prepare reagent according to package insert instructions.

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

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:

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:

165 UL Volume:

CALCULATION

Reac. Direction:

Sample Limit: 0.5000

Point:

Increase (1)

Check: On

Convers. Factor: 1.00000 Offset: 0.00000

Test Range Low: 0.0 mg/dlTest 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

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.					
<u>Sin</u>	gle Reagent	2Part app.			
GENERAL			CALIBRATION	<u> </u>	
Measurement Mode:	Absorb		Calib Interval:		On Request (3)
Reaction Mode:	R-S(1)	R-S-SR1	Blank		-
Calibration Mode:	Factor (1)		Reag. Range Lov	w:	0.1000
Reagent Blank:	Reag/Dil (2)		Reag. Range Hig	;h:	0.8000
Cleaner:	No (1)		Blank Range Lov	w:	-0.0100
			Blank Range Hig	gh:	0.0100
Wavelength:	405nm (2)				
Decimal Position:	0		Factor:		3938
Unit:	U/L (21)				
			Standard Pos:		-
ANALYSIS			STD-1:		-
Post Dil. Factor:	No		STD-2:		
Post Conc. Factor:	No		STD-3:		
Sample Cycle:	2	2	Replicate:		-
Volume:	10.0 UL	10.0 UL	Deviation:		-
Diluent Name:	H2O	H2O			
Volume:	20.0 UL	10 UL	Control		
			CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1	1		Assign:	
Volume:	165 UL	130 UL		High:	
Start Reag 1 Cycle:	-	1	CS2 Pos	* Low:	(User Defined)
Volume:	-	35 UL		Assign:	
Diluent Name:	-	H2O		High:	
Volume:	-	10 UL	CS3 Pos:		No
CALCULATION					
Sample Limit:	No		It is recommende	ed that tw	o levels of control
Point:	-		material be assay	ed daily.	Reorder PSI Chemistry
Reac. Direction:	Increase (1)		Controls Cat.# C	C7590-50	& C7591-50.
Check:	On				
Convers. Factor:	1.00000		* USER DEFINI	ED	
Offset:	0.00000				
			Rev: 2/02		

Number of Steps: 1

Test Range Low:

Test Range High:

Normal Range Low:

Normal Range High:

Calc. Step A: Kinsearch (3)

0.0 U/L

8 U/L

54 U/L

1000 U/L

Reading First: Reading Last: 11 **Reaction Limit:** No Point:

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.

Calc. Step A:

Reading First:

Reading Last: Reaction Limit:

Point:

Endpoint (1)

T1

GENERAL Measurement Mode: Reaction Mode: Calibration Mode: Reagent Blank: Cleaner:	Absorb R-S (1) Slope Avg. (2) Reag/Dil (2) No (1)	CALIBRATIO Calib Interval: Blank Reag. Range Lo Reag. Range Hig Blank Range Lo Blank Range Hig	w: gh: w:	On Request (3) 0.0030 0.3000 -0.0700 0.0600
Wavelength: Decimal Position: Unit:	340nm (1) 0 mg/dl (12)	Factor:		-
ANALYSIS Post Dil. Factor: Post Conc. Factor:	No No	Standard Pos: STD-1: STD-2: STD-3:		1 User Defined
Sample Cycle: Volume: Diluent Name:	1 3.0 UL H2O	Replicate: Deviation:		Dupl (2) 10%
Volume: Reagent Cycle:	50.0 UL 1	Control CS1 Pos	Assign:	(User Defined)
Volume: <u>CALCULATION</u>	200 UL	CS2 Pos	Assign:	(User Defined)
Sample Limit: Point: Reac. Direction:	0.3000 T1 Increase (1)	CS3 Pos:	High:	No
Check: Convers. Factor:	On 1,00000	Chemistry Calibration.	orator cat	alog #C7506-50 recommended
Offset:	0.00000	material be assay	yed daily.	vo levels of control Reorder PSI Chemistry
Test Range Low: Test Range High: Normal Range Low:	0.0 mg/dl 600 mg/dl 65 mg/dl	* USER DEFIN		0 & C/591-50.
Normal Range High: Number of Steps:	110 mg/dl 1	Rev: 2-03		

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:

Unit: mg/dl (12)

ANALYSIS

Post Dil. Factor: No Post Conc. Factor: No

Sample Cycle: 1

Volume: 3.0 UL Diluent Name: H₂O 20.0 UL

Volume:

Reagent Cycle: 300 UL Volume:

CALCULATION

Sample Limit: NO Point:

Reac. Direction: Increase (1)

Check: On

Convers. Factor: 1.00000 Offset: 0.00000

Test Range Low: 0.0 mg/dlTest 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:

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

Instrument Application

Analyzer: Cobas Mira Plus Test: HDL Cholesterol Catalog #: H7507 / H7511

See package insert.

Calc. Step A:

Reading First:

Reading Last:

Point:

Reaction Limit:

Endpoint (1)

T1

13

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

GENERAL		CALIBRATIO	N	
Measurement Mode:	Absorb			On Request (3)
Reaction Mode:	R-S (1)	Blank		1
Calibration Mode:	Slope Avg. (2)	Reag. Range Lo	w:	-0.0700
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig		0.1300
Cleaner:	No (1)	Blank Range Lo		-0.0500
		Blank Range Hi		0.0500
Wavelength:	500nm (3)		6	
Decimal Position:	0	Factor:		-
Unit:	mg/dl (12)			
		Standard Pos:		2
<u>ANALYSIS</u>		STD-1:		User Defined
Post Dil. Factor:	No	STD-2:		
Post Conc. Factor:	No	STD-3:		
Sample Cycle:	1	Replicate:		Dupl (2)
Volume:	6.0 UL	Deviation:		10%
Diluent Name:	H2O			
Volume:	50.0 UL	Control		
, ordine.	20.0 02	CS1 Pos	* Low.	(User Defined)
Reagent Cycle:	1	CSTTOS	Assign:	,
Volume:	165 UL		High:	
v ordine.	163 62	CS2 Pos		(User Defined)
CALCULATION		0.02 1 0.0	Assign:	,
Sample Limit:	0.2000		High:	
Point:	T1	CS3 Pos:	111511.	No
Reac. Direction:	Increase (1)	CB3 1 05.		110
Check:	On	NOTE: Final re	sults mus	t be multiplied by 2 or the calibrator
check.	Oli			rument doubled.
Convers. Factor:	1.00000	varae enterea mi	the mat	rument doubled.
Offset:	0.00000	Cholesterol calib	rator cat	alog# C7574-50 is recommended
Offiset.	0.00000	for calibration.	rator cat	alogii C7374 30 is recommended
Test Range Low:	0.0 mg/dl	ioi canoration.		
Test Range High:	250 mg/dl	* USER DEFIN	FD	
Normal Range Low:	30 mg/dl	OBER DEI IIV	LD	
Normal Range High:	75 mg/	Rev: 2-03		
Tomai Kange High.		1101.4 03		
	, , , , , , , , , , , , , , , , , , , ,			

Instrument Application

Analyzer: Cobas Mira Plus

Test: Total Iron

Catalog # : 17504 / 17505

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:

Unit: ug/dl

ANALYSIS

Post Dil. Factor: No Post Conc. Factor: No

Sample Cycle: 1 Volume: 50 UL Diluent Name: H₂O

Volume:

Reagent Cycle:

Volume: 240 UL*

40 UL

Start Reag 1 Cycle: 5 UL** Volume: 0 UL

Diluent:

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:

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:

User Defined STD-1:

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.

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:

Unit: mmol/L

ANALYSIS

Post Dil. Factor: No Post Conc. Factor: No

Sample Cycle: 1

Volume: 3.0 UL Diluent Name: H₂O 10.0 UL

Volume:

Reagent Cycle: 300 UL Volume:

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/LNormal 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: -0.1000Blank Range High: 1.5000

Factor:

Standard Pos:

STD-1: User Defined

STD-2: STD-3:

Replicate: Dupl (2) Deviation: 10%

Control

CS1 Pos * Low: (User Defined)

> Assign: High:

* Low: (User Defined) CS2 Pos

> Assign: High:

CS3 Pos: No

* USER DEFINED

Rev: 2-03

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		CALIBRATION	<u> </u>	
Measurement Mode:	Absorb	Calib Interval:		On Request (3)
Reaction Mode:	R-S (1)	Blank		
Calibration Mode:	Factor (1)	Reag. Range Lov		0.1000
Reagent Blank:	Reag/Dil (2)	Reag. Range Hig		0.7000
Cleaner:	Select (3) After AST,ALT			-0.0500
		Blank Range Hig	gh:	0.0500
Wavelength:	340nm (1)			
Decimal Position:	0	Factor:		8574
Unit:	U/L (21)			
		Standard Pos:		=
<u>ANALYSIS</u>		STD-1:		-
Post Dil. Factor:	No	STD-2:		
Post Conc. Factor:	No	STD-3:		
Sample Cycle:	1	Replicate:		-
Volume:	5.0 UL	Deviation:		-
Diluent Name:	H2O			
Volume:	30.0 UL	Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1		Assign:	
Volume:	125 UL		High:	
		CS2 Pos	* Low:	(User Defined)
CALCULATION			Assign:	
Sample Limit:	0.5000		High:	
Point:	T1	CS3 Pos:		No
Reac. Direction:	Increase (1)			
Check:	On	It is recommende	ed that tw	o levels of control
				Reorder PSI Chemistry
Convers. Factor:	1.00000	Controls Cat.# C	C7590-50	& C7591-50.
Offset:	0.00000			
Test Range Low:	0 U/L	* USER DEFINI	ED	
Test Range High:	1250 U/L			
Normal Range Low:	80 U/L	Rev: 2-03		
Normal Range High:	285 U/L			
Number of Steps:	1			
Calc. Step A:	Kinsearch (3)			
D 1' F'	2			

Reading First: Reading Last:

Reaction Limit:

Point:

11

T1

0.1500

Instrument Application

Analyzer: Cobas Mira Plus

Test: LDH (Liquid) Catalog # : L7572

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

Prepare single working re	eagent by mix	xing 4 parts R1	l and 1 part R2.		
<u>Sin</u>	igle Reagent	2Part app.			
<u>GENERAL</u>			CALIBRATIO	<u>N</u>	
Measurement Mode:	Absorb		Calib Interval:		On Request (3)
Reaction Mode:	R-S (1)	R-S-SR1	Blank		_
Calibration Mode:	Factor (1)		Reag. Range Lo	w:	0.1000
Reagent Blank:	Reag/Dil (2	2)	Reag. Range Hig	gh:	0.4000
Cleaner:	No (1)		Blank Range Lo	w:	-0.0050
			Blank Range Hig	gh:	0.0010
Wavelength:	340nm (1)				
Decimal Position:	0		Factor:		9914
Unit:	U/L (21)				
			Standard Pos:		-
<u>ANALYSIS</u>			STD-1:		-
Post Dil. Factor:	No		STD-2:		
Post Conc. Factor:	No		STD-3:		
Sample Cycle:	2	2	Replicate:		-
Volume:	5.0 UL	5.0 U/L	Deviation:		-
Diluent Name:	H2O	H2O			
Volume:	30.0 UL	15.0 UL	Control		
			CS1 Pos	*Low:	(User Defined)
Reagent Cycle:	1	1		Assign:	
Volume:	150UL	120 UL		High:	
Start Reag 1 Cycle:	-	1	CS2 Pos	*Low:	(User Defined)
Volume:	-	30 UL		Assign:	
Diluent Name:	-	H2O		High:	
Diluent:	-	15 UL	CS3 Pos:		No
CALCULATION					
Sample Limit:	No				vo levels of control
Point:					Reorder PSI Chemistry
Reac. Direction:	Increase (1	.)	Controls Cat.# (27590-50	& C7591-50
Check:	On				
Camarana Fantam	1 00000		*HCED DEEMI	7D	
Convers. Factor:	1.00000		*USER DEFINE	SD C	
Offset:	0.00000		Rev: 5/01		
Tast Dance Lave	0.11/1		KeV: 3/01		
Test Range Low:	0 U/L				

Number of Steps: 1

Test Range High:

Normal Range Low:

Normal Range High:

Calc. Step A: Kinsearch (3)

1400 U/L

80 U/L

285 U/L

Reading First: 5
Reading Last: 12
Reaction Limit: No
Point: -

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 Name: H20
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 CALIBRATION Measurement Mode: Absorb Calib Interval: Reaction Mode: R-S-SR1 Blank Reag. Range Low: Calibration Mode: Lin Inter Reagent Blank: Reag/Dil (2) Reag. Range High: Cleaner: NO Blank Range Low: Wavelength: 340nm Blank Range High: Decimal Position: 1 Factor: Unit: mg/dL Standard Pos:

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

Endpoint Calc. Step A: Reading First: 12 Reading Last: 25 **Reaction Limit:** NO Point:

On Request (3) NO NO NO NO

*1

STD-1: 0.0mg/dL STD-2: *2 *2 STD-3:

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

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

CALCULATION

Volume:

Sample Limit: No Point: -

Reac. Direction: Increase (1)

300 UL

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

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) No

Reagent Blank: Cleaner: No

Wavelength: 340nm

Decimal Position:

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: 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

Number of Steps:

Normal Range High:

Endpoint (1) Calc. Step A:

No

Reading First: 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:

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

Instrument Application

Analyzer: Cobas Mira Plus

Test: Microalbumin (multi-point)

Catalog # : M7562

Reagents are supplied ready to use.

GENERAL

Measurement Mode: Absorb R-S-SR1 Reaction Mode: Lin Inter Calibration Mode: Reagent Blank: No Cleaner: No

Wavelength: 340nm Decimal Position:

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:

Volume: 90.0 UL Diluent: 0.0

CALCULATION

Sample Limit: No

Point:

Reac. Direction: Increase (1)

Check:

Convers. Factor: 1.00000 0.00000

Offset:

Test Range Low: No Test Range High: No Normal Range Low: No Normal Range High: No

Number of Steps:

Calc. Step A: Endpoint (1)

Reading First: 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:

User Defined STD-1:

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

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

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:

Unit: mg/dl (12)

ANALYSIS

Post Dil. Factor: No Post Conc. Factor: No

Sample Cycle: 1

Volume: 7.0 UL Diluent Name: H₂O 20.0 UL

Volume:

Reagent Cycle: 300 UL Volume:

CALCULATION

Sample Limit: NO Point:

Reac. Direction: Increase (1)

Check: On

Convers. Factor: 1.00000

Offset: 0.00000

Test Range Low: 0.0 mg/dlTest 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:

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

Instrument Application

Analyzer: Cobas Mira Plus

Test: Total Protein Catalog # : T7528

Reagents are ready to use.

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

Instrument Application

Analyzer: Cobas Mira Plus

Test: Sodium Catalog # : S7571

Prepare reagent according to package insert instructions.

riepare reagent accordin	ig to puckage insert insu	actions.		
GENERAL		CALIBRATIO	<u>N</u>	
Measurement Mode:	Absorb	Calib Interval:	Each Run	
Reaction Mode:	R-S-SR1	Blank		
Calibration Mode:	Slope Avg. (2)	Reag. Range Lo	ow:	No
Reagent Blank:	Reag/Dil (2)	Reag. Range Hi	igh:	No
Cleaner:	No (1)	Blank Range Lo	ow:	No
		Blank Range H	igh:	No
Wavelength:	550nm (4)			
Decimal Position:	0	Factor:		-
Unit:	mmol/L			
		Standard Pos:		7
ANALYSIS		STD-1	:	Standard
Post Dil. Factor:	No	STD-2) :	
Post Conc. Factor:	No	STD-3		
Sample Cycle:	1	Replicate:		Dupl (2)
Volume:	10 UL	Deviation:		No
Diluent Name:	H2O			
Volume:	10.0 UL	Control		
		CS1 Pos	* Low:	(User Defined)
Reagent Cycle:	1		Assign:	
Volume:	250 UL		High:	
Start Reag. 1 Cycle:	4	CS2 Pos	* Low:	(User Defined)
Volume:	95 UL		Assign:	
Diluent:			High:	
		CS3 Pos:		No
CALCULATION				
Sample Limit:	No			
Point:	=	Serum samples	should be	prepared as stated
Reac. Direction:	Increase (1)			ne Acid Reagent.
Check:	Off	R2 is the Color	Reagent.	
Convers. Factor:	1.00000	It is recommend	ded that tw	o levels of control

Test Range Low: No Test Range High: No

0.00000

Offset:

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: -

* USER DEFINED

material be assayed daily. Reorder PSI Chemistry

Controls Cat.# C7590-50 & C7591-50

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:

Unit: mg/dl (12)

ANALYSIS

Post Dil. Factor: No Post Conc. Factor: No

Sample Cycle: 1

Volume: 3.0 UL Diluent Name: H₂O 50.0 UL

Volume:

Reagent Cycle: 200 UL Volume:

CALCULATION

Sample Limit: 0.6000 Point:

Reac. Direction: Increase (1)

Check:

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:

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:

User Defined STD-1:

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

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)

On

Check:

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

Instrument Application

Analyzer: Cobas Mira Plus

Test: UIBC

Catalog # : 17504, 17506

GENERAL

Cleaner:

Measurement Mode: Absorb
Reaction Mode: R-S-SR1-SR2
Calibration Mode: Slope Avg
Reagent Blank: Reag/Dil (2)

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

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:

% 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.

		` A T
1 <u>-</u> H	\mathbf{NEL}	<i>7</i> /

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

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:

Wavelength: 500nm (3)

Decimal Position:

Unit: mg/dl (12)

ANALYSIS

Post Dil. Factor: No Post Conc. Factor: No

Sample Cycle: 1

Volume: 4.0 UL Diluent Name: H₂O 30.0 UL

Volume:

Reagent Cycle: 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/dlNormal Range High: 7.7 mg/dl

Number of Steps:

Calc. Step A: Endpoint (1)

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:

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

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.

Calc. Step A:

Reading First:

Reading Last: Reaction Limit:

Point:

Endpoint (1)

T1

GENERAL Measurement Mode: Reaction Mode: Calibration Mode: Reagent Blank: Cleaner:	Absorb R-S (1) Slope Avg. (2) Reag/Dil (2) Before (2)	CALIBRATION Calib Interval: Blank Reag. Range Lov Reag. Range Hig Blank Range Lov Blank Range Hig	w: :h: w:	On Request (3) -0.0700 0.3500 -0.0500 0.0500		
Wavelength: Decimal Position: Unit:	500nm (3) 1 mg/dl (12)	Factor:		-		
ANALYSIS Post Dil. Factor: Post Conc. Factor:	No No	Standard Pos: STD-1: STD-2: STD-3:		1 User Defined		
Sample Cycle: Volume: Diluent Name:	1 6.0 UL H2O	Replicate: Deviation:		Dupl (2) 10%		
Volume: Reagent Cycle: Volume:	50.0 UL 1 200 UL	Control CS1 Pos	* Low: Assign: High:	(User Defined)		
CALCULATION Sample Limit:	0.6000	CS2 Pos		(User Defined)		
Point: Reac. Direction: Check:	T1 Increase (1) On	CS3 Pos:		No		
Convers. Factor: Offset:	1.00000 0.00000	for calibration	try Calibrator catalog #C7506-50 recommend oration			
Test Range Low: Test Range High: Normal Range Low: Normal Range High:	0 mg/dl 20.0 mg/dl 2.2 mg/dl 7.7 mg/dl	It is recommended that two levels of control material be assayed daily. Reorder PSI Chemistry Controls Cat.# C7590-50 & C7591-50. * USER DEFINED				
Number of Steps:	1	Rev: 3-03				

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.

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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:** Unit: U/L (21)

ANALYSIS

Post Dil. Factor: No Post Conc. Factor: No

Sample Cycle: 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: Reading Last: 19 Reaction Limit: .1000 Point: T1

CALIBRATION

Calib Interval: On Request (3)

Blank

Reag. Range Low: -0.010Reag. Range High: 0.240 Blank Range Low: -0.010Blank 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:

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

CS3 Pos: No

* USER DEFINED

Rev: 11/02

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

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-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

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