



Chema Diagnostica

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Cobas Mira instructions rev 401.0.2 - 2010-07-20 Warning! These programs should be used only as guideline. To check the reagent correct setting on the instrument, use only good quality control sera and work accordingly to with good laboratory practice. Instrumental factor must be checked. Chema Diagnostica will not be responsible for instrumental bad programming.						
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Application: ACID PHOSPHATASE (TOTAL) - Codes AC 0120 TC

Preparation: POWDER SINGLE REAGENT. FOLLOW PREPARATION PROGRAM INDICATED IN INSERT

SHEET.

Storage: REFRIGERATE AT 2-8°C

Stability: 10 DAYS

PROGRAM

GENERAL CALIBRATION

MEASUREMENT MODE: ABSORB CALIB. INTERVAL: ON REQUEST REACTION MODE: R-S

REACTION MODE: R-S
CALIBRATION MODE: FACTOR REAGENT BLANK

REAGENT BLANK: REAG/DIL REAG. RANGE LOW: NO CLEANER: NO HIGH: NO

WAVELENGHT: 405 nm BLANK RANGE LOW: NO DECIMAL POSITION: 2 HIGH: NO

UNIT: U/L FACTOR: 1421

ANALYSIS
SAMPLE DIL. NAME: H20 CONTROL

SAMPLE DIL. NAME: H20 CONTROL
POST. DIL. FACTOR: 2.00 CS1 POS: UTIL. DEF.

CONC. FACTOR: NO

CS2 POS: UTIL. DEF.

SAMPLE CYCLE: 1

VOL: $25.0~\mu l$ DIL: $25.0~\mu l$ CS3 POS: UTIL. DEF.

REAGENT CYCLE: 1

VOL: 225 μl

CALCULATION

SAMPLE LIMIT: NO

REAC. DIRECTION: INCREASE CHECK: ON

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: 0 U/L

HIGH: 60 U/L

NORM. RANGE LOW: NO

HIGH: NO

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 10 LAST: 20

REACTION LIMIT: $0.9000 \Delta A$

POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 4 of 42

Application: ACID PHOSPHATASE (NON PROSTATIC) - Codes AC 0120 TC

Preparation: POWDER SINLE REAGENT. FOLLOW PREPARATION PROGRAM INDICATED IN INSERT

SHEET. ADD THE RIGHT QUANTITY OF L-TARTRATE.

REFRIGERATE AT 2-8°C Storage:

Stability: 10 DAYS

UNIT:

CONC. FACTOR:

PROGRAM

CALIBRATION GENERAL

CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB**

REACTION MODE: R-S FACTOR REAGENT BLANK CALIBRATION MODE:

REAG. RANGE LOW: N0 REAG/DIL **REAGENT BLANK:**

N0 HIGH: **CLEANER:** BLANK RANGE LOW: NO WAVELENGHT: 405 nm

HIGH: NO **DECIMAL POSITION:** 2

U/L FACTOR: 1421

ANALYSIS CONTROL SAMPLE DIL. NAME: H20

N0

CS1 POS: UTIL. DEF. POST. DIL. FACTOR: 2.00

CS2 POS: UTIL. DEF.

SAMPLE CYCLE: 1 CS3 POS: UTIL. DEF. VOL: 25.0 µl DIL: 25.0 μl

CYCLE: 1 REAGENT

VOL: 225 µl

CALCULATION SAMPLE LIMIT: N0

REAC. DIRECTION: **INCREASE**

CHECK: ON

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: U/L

> HIGH: 60 U/L

NORM. RANGE LOW: N0

HIGH: N0

NUMBER OF STEPS:

CALC. STEP A: **KINETIC**

READINGS FIRST: LAST: 10 20

0.9000 ΔA REACTION LIMIT:

> POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 5 of 42

Application: **ALBUMIN** - Codes BC BC 0100 / 0500 / 1000 / 1500 CH

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: ROOM TEMPERATURE (2-30°C)

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.0500 A REAG/DIL REAGENT BLANK: 0.3200 A HIGH: **CLEANER:** BLANK RANGE LOW: -0.0500 A WAVELENGHT: 600 nm HIGH: 0.1000 A **DECIMAL POSITION:** 1 UNIT: g/dl CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS** SAMPLE DIL. NAME: H20 REPLICATE: TRIPL. POST. DIL. FACTOR: 2.00 N0 **DEVIATION:** 6% CONC. FACTOR: CONTROL SAMPLE CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 3.0 µl DIL: 20.0 μl CS2 POS: UTIL. DEF. CYCLE: 1 REAGENT VOL: 250 µl UTIL. DEF. CS3 POS: **CALCULATION** SAMPLE LIMIT: 0.1000 ΔA

POINT: T1

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0.0 g/dl

HIGH: 6.0 g/dl

5.5

g/dl

NORM. RANGE LOW: 4.2 g/dl

NUMBER OF STEPS:

HIGH:

CALC. STEP A: ENDPOINT

READINGS FIRST: CB LAST: 6

IUS.401.0.2 Directions for use Edition 2010-07-20 page 6 of 42

Application: ALKALINE PHOSPHATASE DGKC FL - Codes AL F080 / F245 / F400 / F600 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

CALIBRATION GENERAL

CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB**

REACTION MODE: R-S FACTOR REAGENT BLANK CALIBRATION MODE:

REAG. RANGE LOW: -0.0500 A REAG/DIL **REAGENT BLANK:**

1.0000 A HIGH: **CLEANER:** BLANK RANGE LOW: -0.0100 A WAVELENGHT: 405 nm

HIGH: 0.0100 A **DECIMAL POSITION:** 0 U/L UNIT:

FACTOR: 4595

ANALYSIS CONTROL SAMPLE DIL. NAME: H20

CS1 POS: UTIL. DEF. POST. DIL. FACTOR: 5.00 N0 CONC. FACTOR:

CS2 POS: UTIL. DEF. SAMPLE CYCLE: 1

CS3 POS: UTIL. DEF. VOL: 5.0 µl DIL: 10.0 աl

CYCLE: 1 REAGENT

VOL: 240 µl

CALCULATION

SAMPLE LIMIT: 0.2000 ΔA

POINT: **REAC. DIRECTION: INCREASE**

CHECK: ON

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: U/L

HIGH: 2800 U/L

NORM. RANGE LOW: U/L HIGH: 270 U/L

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: LAST:

 $0.4300 \Delta A$ REACTION LIMIT:

> POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 7 of 42

Application: ALKALINE PHOSPHATASE IFCC FL - Codes AF F080 / F245 / F400 / F600 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

REAGENT BLANK

FACTOR:

CONTROL

CS1 POS:

CS2 POS:

CS3 POS:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

-0.0500 A

1.0000 A

-0.0100 A

0.0100 A

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

4595

GENERALMEASUREMENT MODE: ABSORB

CALIBRATION
CALIB. INTERVAL:

REACTION MODE: R-S

CALIBRATION MODE: FACTOR
REAGENT BLANK: REAG/DIL
CLEANER: NO

WAVELENGHT: 405 nm DECIMAL POSITION: 0

UNIT: U/L

ANALYSIS

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 2.00

CONC. FACTOR: NO

SAMPLE CYCLE: 1

VOL: 5.0 μl DIL: 10.0 μl

REAGENT CYCLE: 1

VOL: 240 μl

CALCULATION

SAMPLE LIMIT: $0.2000 \Delta A$

POINT: T1

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0 U/L

HIGH: 3000 U/L

NORM. RANGE LOW: 35 U/L HIGH: 104 U/L

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 3 LAST: 9

REACTION LIMIT: $0.4300 \Delta A$

POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 8 of 42

Application: AMYLASE FL - Codes AM F060 / F120 / F245 CH

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

GENERAL

MEASUREMENT MODE: ABSORB

REACTION MODE: R-S

CALIBRATION MODE: FACTOR

REAGENT BLANK: REAG/DIL

CALIBRATION

REAGENT BLANK

REAG. RANGE LOW: -0.0500 A

CLEANER: NO HIGH: 0.2000 A
WAVELENGHT: 405 nm BLANK RANGE LOW: -0.0100 A

DECIMAL POSITION: 0 HIGH: 0.0100 A UNIT: U/L

FACTOR: 5296

ANALYSIS
SAMPLE DIL. NAME: H20
POST. DIL. FACTOR: 2.00
CONTROL
CS1 POS:

POST. DIL. FACTOR: 2.00 CS1 POS: UTIL. DEF. CONC. FACTOR: NO CS2 POS: UTIL. DEF. UTIL. DEF.

SAMPLE CYCLE: 1 VOL: 7.0 μ l DIL: 20 μ l CS3 POS: UTIL. DEF.

REAGENT CYCLE: 1

VOL: 260 μl

CALCULATION

SAMPLE LIMIT: $0.1500 \Delta A$ POINT: T1
REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000 0FFSET: 0.0000

TEST RANGE LOW: 0 U/L

HIGH: 2000 U/L

NORM. RANGE LOW: 0 U/L HIGH: 96 U/L

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 3 LAST: 7

REACTION LIMIT: $0.4000 \Delta A$

POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 9 of 42

Application: AMYLASE EPS FL - Codes EA F080 / F245 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

REAGENT BLANK

FACTOR:

CONTROL

CS1 POS:

CS2 POS:

CS3 POS:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

-0.0700 A

0.8000 A

-0.0100 A

0.0200 A

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

5800

GENERAL CALIBRATION
MFASURFMENT MODE: ABSORB CALIB. INTERVAL:

MEASUREMENT MODE: ABSORB

REACTION MODE: R-S

CALIBRATION MODE: FACTOR
REAGENT BLANK: REAG/DIL
CLEANER: NO

WAVELENGHT: 405 nm
DECIMAL POSITION: 0

UNIT: U/L

ANALYSIS

SAMPLE DIL. NAME: H20

POST. DIL. FACTOR: 5.00

CONC. FACTOR: NO

SAMPLE CYCLE: 1

VOL: 8.0 μl DIL: 20.0 μl

REAGENT CYCLE: 1

VOL: 220 μl

CALCULATION

SAMPLE LIMIT: NO

REAC. DIRECTION: INCREASE CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0 U/L

HIGH: 1500 U/L

NORM. RANGE LOW: 28 U/L

HIGH: 100 U/L

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 8 LAST: 16

REACTION LIMIT: NO

IUS.401.0.2 Directions for use Edition 2010-07-20 page 10 of 42

Application: PANCREATIC ISOAMYLASE FL - Code PA F080 / F245 CH

Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - INSTALL AS "START REAGENT 1"

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

GENERALCALIBRATIONMEASUREMENT MODE:ABSORBCALIB. INTERVAL:ON REQUESTREACTION MODE:R-S-SR1CALIBRATION MODE:FACTORREAGENT BLANK

 REAGENT BLANK:
 REAG/DIL
 REAG. RANGE LOW:
 -0.0500 A

 CLEANER:
 NO
 HIGH:
 0.2000 A

 WAVFI FNGHT:
 405 nm
 BLANK RANGE LOW:
 -0.0100 A

WAVELENGHT: 405 nm BLANK RANGE LOW: -0.0100 A
DECIMAL POSITION: 0 HIGH: 0.0100 A

UNIT: U/L FACTOR: 10460

ANALYSIS
SAMPLE DIL. NAME: H20 CONTROL

POST. DIL. FACTOR: 2.00 CS1 POS: UTIL. DEF. CONC. FACTOR: NO

CS2 POS: UTIL. DEF. SAMPLE CYCLE: 1

VOL: 6 µl DIL: 10.0 µl CS3 POS: UTIL. DEF.

REAGENT CYCLE: 1

START REAGENT 1: CYCLE: 10

VOL: 50 μl DIL: 10.0 μl

CALCULATION

230 µl

VOL:

SAMPLE LIMIT: 0.1500 ΔA POINT: T1 REAC. DIRECTION: INCREASE

REAC. DIRECTION: INCREASE CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0 U/L HIGH: 2500 U/L

NORM. RANGE LOW: 13 U/L

HIGH: 53 U/L

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 12 LAST: 18

REACTION LIMIT: $0.4000 \Delta A$

POINT: 12

IUS.401.0.2 Directions for use Edition 2010-07-20 page 11 of 42

Application: BICARBONATE FL - Codes BR F060 / F245 / F400 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: 0.4000 A REAG/DIL **REAGENT BLANK:** 1.6000 A HIGH: **CLEANER:** BLANK RANGE LOW: -0.2000 A WAVELENGHT: 405 nm HIGH: 0.2000 A **DECIMAL POSITION:** UNIT: mmol/l CUP POS: CALIBRATOR CAL-1: UTIL. DEF **ANALYSIS** SAMPLE DIL. NAME: H20 REPLICATE: TRIPL. POST. DIL. FACTOR: 2.00 N0 **DEVIATION:** 6% CONC. FACTOR: CONTROL SAMPLE CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 3.0 µl DIL: 10.0 աl CS2 POS: UTIL. DEF. CYCLE: 1 REAGENT VOL: 300 µl UTIL. DEF. CS3 POS: **CALCULATION** SAMPLE LIMIT: $0.1000 \Delta A$ POINT:

CONVERS.

REAC. DIRECTION:

CHECK:

FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0.00 mmol/l

ON

DECREASE

HIGH: 50.00 mmol/l NORM. RANGE LOW: 8.60 mmol/l

> HIGH: 10.30 mmol/l

NUMBER OF STEPS:

ENDPOINT CALC. STEP A:

READINGS FIRST: LAST: 6 CB

IUS.401.0.2 Directions for use Edition 2010-07-20 page 12 of 42

Application: **BILIRUBIN TOTAL FL** - Code DT F125 / F500 CH

Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - INSTALL AS "START REAGENT 1"

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

DEF

UTIL. DEF.

GENERAL
MEASUREMENT MODE: ABSORB
CALIB. INTERVAL: ON REQUEST
REACTION MODE: R-S-SR1
CALIBRATION MODE: SLOPE AVG
REAGENT BLANK

REAGENT BLANK: REAG/DIL REAG. RANGE LOW: NO CLEANER: NO HIGH: NO WAVELENGHT: 500 nm BLANK RANGE LOW: NO

DECIMAL POSITION: 2 HIGH: NO UNIT: mg/dl CALIBRATOR CUP POS:

CAL-1: UTIL. DEF

ANALYSIS

VOL:

VOL:

SAMPLE DIL. NAME: H20 REPLICATE: TRIPL.
POST. DIL. FACTOR: 2.00 DEVIATION: 3%
CONC. FACTOR: NO

CONTROL
SAMPLE CYCLE: 1 CS1 POS: UTIL. DEF.

VOL: 10.0 μl DIL: 10.0 μl CS2 POS: UTIL. DEF.

REAGENT CYCLE: 1

CS3 POS:

START REAGENT 1: CYCLE: 13

CALCULATION

SAMPLE LIMIT: $0.5000 \Delta A$

POINT: 1

REAC. DIRECTION: INCREASE

CHECK: ON

200 μl

50 μl

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0 mg/dl

HIGH: 20 mg/dl

DIL:

10.0 μl

NORM. RANGE LOW: 0.2 mg/dl

HIGH: 1.0 mg/dl

NUMBER OF STEPS: 1

CALC. STEP A: ENDPOINT

READINGS FIRST: 5 LAST: 14

REACTION LIMIT: NO

IUS.401.0.2 Directions for use Edition 2010-07-20 page 13 of 42

Application: BILIRUBIN DIRECT FL - Code DD F125 / F500 CH

Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - INSTALL AS "START REAGENT 1"

REFRIGERATE AT 2-8°C Storage:

UP TO DECLARED EXPIRATION ON REAGENT LABEL Stability:

PROGRAM

DEF

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S-SR1 SLOPE AVG REAGENT BLANK CALIBRATION MODE:

REAG. RANGE LOW: N0 REAG/DIL **REAGENT BLANK:** N0 HIGH: **CLEANER:** BLANK RANGE LOW: N0 WAVELENGHT: 550 nm

HIGH: N0 **DECIMAL POSITION:** 2 **CALIBRATOR** CUP POS:

UNIT: mg/dl CAL-1: UTIL. DEF

ANALYSIS

REPLICATE: TRIPL. SAMPLE DIL. NAME: H20 **DEVIATION:** 3% POST. DIL. FACTOR: 2.00

N0 CONC. FACTOR: CONTROL

UTIL. DEF. CS1 POS: SAMPLE CYCLE: 1 VOL: 10.0 աl DIL: 10.0 աl

CS2 POS: UTIL. DEF. REAGENT CYCLE: 1

CS3 POS: UTIL. DEF. VOL: 200 μl

START REAGENT 1: CYCLE: 12 VOL: 50 μl DIL: 10.0 μl

CALCULATION

0.5000 ΔA SAMPLE LIMIT: POINT:

REAC. DIRECTION: **INCREASE**

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

mg/dl TEST RANGE LOW:

> mg/dl HIGH: 13

NORM. RANGE LOW: 0.0 mq/dl

> 0.2 HIGH: mg/dl

NUMBER OF STEPS: 1

CALC. STEP A: **ENDPOINT**

READINGS FIRST: LAST: 11 25

REACTION LIMIT: NO

IUS.401.0.2 Directions for use Edition 2010-07-20 page 14 of 42

Application: **CALCIUM** - Code CA 0305 / 0505 CH Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 10 DAYS

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.0500 A REAG/DIL REAGENT BLANK: 0.5000 A HIGH: CLEANER: **SELECT** BLANK RANGE LOW: -0.0100 A AFTER TESTS: **AMYLASE** 550 nm HIGH: 0.5000 A WAVELENGHT: **DECIMAL POSITION:** 2 CUP POS: CALIBRATOR UNIT: mg/dl CAL-1: UTIL. DEF **ANALYSIS** REPLICATE: TRIPL. SAMPLE DIL. NAME: H20 2.00 **DEVIATION:** 6% POST. DIL. FACTOR: N0 CONC. FACTOR: CONTROL CS1 POS: UTIL. DEF. SAMPLE CYCLE: 1 VOL: 4.0 μl DIL: 20.0 μl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 CS3 POS: UTIL. DEF. VOL: 250 μl

CALCULATION

SAMPLE LIMIT: $0.1000 \Delta A$ POINT: CB

REAC. DIRECTION: INCREASE

CHECK: ON

CITECK. ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0.00 mg/dl

HIGH: 20.00 mg/dl NORM. RANGE LOW: 8.60 mg/dl

HIGH: 10.30 mg/dl

NUMBER OF STEPS: 1

CALC. STEP A: ENDPOINT

READINGS FIRST: CB LAST: 4

IUS.401.0.2 Directions for use Edition 2010-07-20 page 15 of 42

Application: **CHLORIDE** - Code CL 0100 / 0500 CH Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: ROOM TEMPERATURE (2-30°C)

UP TO DECLARED EXPIRATION ON REAGENT LABEL Stability:

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST MEASUREMENT MODE: **ABSORB** REACTION MODE: R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: NO REAG/DIL REAGENT BLANK: N0 HIGH: **CLEANER: BEFORE BLANK RANGE LOW:** N0 WAVELENGHT: 500 nm HIGH: N0 **DECIMAL POSITION:** UNIT: mEq/l CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS** SAMPLE DIL. NAME: H20 **REPLICATE:** TRIPL. POST. DIL. FACTOR: 2.00 NO **DEVIATION:** 6% CONC. FACTOR: CONTROL **SAMPLE** CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 3.0 µl DIL: 20.0 µl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 VOL: 400 µl UTIL. DEF. CS3 POS: **CALCULATION**

CONVERS. FACTOR: 1.0000 OFFSET:

LIMIT: POINT:

SAMPLE

CHECK:

REAC. DIRECTION:

TEST RANGE LOW: mEq/l

> HIGH: 200 mEq/l

 $0.1000 \Delta A$

INCREASE

0.0000

ON

NORM. RANGE LOW: 98 mEq/l

> HIGH: 110 mEq/l

NUMBER OF STEPS: 1

CALC. STEP A: **ENDPOINT**

READINGS FIRST: CB LAST: 10

IUS.401.0.2 Directions for use Edition 2010-07-20 page 16 of 42

Application: **CHOLESTEROL FL** - Codes CT F100 / F400 / 100F / 150F CH

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.0500 A REAG/DIL **REAGENT BLANK:** 0.1600 A HIGH: **CLEANER:** BLANK RANGE LOW: -0.0500 A WAVELENGHT: 500 nm HIGH: 0.1000 A **DECIMAL POSITION:** UNIT: mg/dl CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS** SAMPLE DIL. NAME: H20 REPLICATE: TRIPL. POST. DIL. FACTOR: 2.00 N0 **DEVIATION:** 6% CONC. FACTOR: CONTROL SAMPLE CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 3.0 µl DIL: 20.0 μl CS2 POS: UTIL. DEF. CYCLE: 1 REAGENT VOL: 250 µl UTIL. DEF. CS3 POS: **CALCULATION** SAMPLE LIMIT: $0.1000 \Delta A$ POINT:

CONVERS. FACTOR: 1.0000 OFFSET:

REAC. DIRECTION:

TEST RANGE LOW:

CHECK:

HIGH: 700 mg/dl

INCREASE

0.0000

mq/dl

ON

NORM. RANGE LOW: 140 mg/dl

> HIGH: 200 mg/dl

NUMBER OF STEPS:

CALC. STEP A: **ENDPOINT**

READINGS FIRST: LAST: 12

IUS.401.0.2 Directions for use Edition 2010-07-20 page 17 of 42

Application: HDL-DIRECT FL - Code HD F080 / F245 / F400 CH

Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - INSTALL AS "START REAGENT 1"

REFRIGERATE AT 2-8°C Storage: Stability: 60 DAYS ON BOARD

PROGRAM

REAGENT BLANK

CALIBRATION GENERAL

CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB**

REACTION MODE: R-S-SR1 SLOPE AVG **CALIBRATION MODE:**

REAG. RANGE LOW: -0.0500 A REAG/DIL **REAGENT BLANK:** 0.1000 A HIGH: **CLEANER:**

BLANK RANGE LOW: -0.0500 A WAVELENGHT: 600nm 0.0500 A

HIGH: **DECIMAL POSITION:** 0 UNIT: mg/dl

CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS**

SAMPLE DIL. NAME: H20

REPLICATE: TRIPL. POST. DIL. FACTOR: 2.00 N0 **DEVIATION:** 6% CONC. FACTOR:

CONTROL

SAMPLE CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 3.0 µl DIL: 20.0 μl

CS2 POS: UTIL. DEF. REAGENT CYCLE: 1

VOL: 180 µl

UTIL. DEF. CS3 POS: START REAGENT 1 CYCLE: 12

CALCULATION

60 µl

VOL:

SAMPLE

LIMIT: POINT: 2

REAC. DIRECTION: **INCREASE**

0.3000 ΔA

DIL:

10.0 μl

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

mg/dl TEST RANGE LOW:

mg/dl HIGH: 220

NORM. RANGE LOW: 35.3 mq/dl

79.5 HIGH: mg/dl

NUMBER OF STEPS:

CALC. STEP A: **ENDPOINT**

READINGS FIRST: LAST: 10 24

IUS.401.0.2 Directions for use Edition 2010-07-20 page 18 of 42

Application: LDL-DIRECT FL - Code DL F080 CH Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - INSTALL AS "START REAGENT 1"

REFRIGERATE AT 2-8°C Storage: Stability: 30 DAYS ON BOARD

PROGRAM

CALIBRATION

CALIB. INTERVAL:

REAGENT BLANK

CALIBRATOR

REPLICATE:

DEVIATION:

CONTROL

CS1 POS:

CS2 POS:

CS3 POS:

CAL-1:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

-0.0500 A

0.1000 A

-0.0500 A

0.0500 A

CUP POS:

UTIL. DEF

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

TRIPL.

6%

GENERAL MEASUREMENT MODE: **ABSORB** REACTION MODE: R-S-SR1 SLOPE AVG CALIBRATION MODE: REAG/DIL REAGENT BLANK: **CLEANER:** WAVELENGHT: 600nm **DECIMAL POSITION:** n

mq/dl

ANALYSIS

UNIT:

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 2.00 N0 CONC. FACTOR:

SAMPLE CYCLE: 1 VOL: 3.0 µl DIL: 20.0 μl

REAGENT CYCLE: 1

VOL: 180 µl

START REAGENT 1 CYCLE: 12 VOL: 60 µl DIL: 10.0 μl

CALCULATION

SAMPLE 0.3000 ΔA LIMIT: 2

POINT:

REAC. DIRECTION: **INCREASE** CHECK: ON

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: 0 mg/dl 400 mg/dl HIGH:

NORM. RANGE LOW: 76 mg/dl 218 mg/dl HIGH:

NUMBER OF STEPS:

CALC. STEP A: **ENDPOINT**

READINGS FIRST: 10 LAST: 24

IUS.401.0.2 Directions for use Edition 2010-07-20 page 19 of 42

Application: CHOLINESTERASE FL (DGKC) - Codes CH F096 / F245 CH

Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - INSTALL AS "START REAGENT 1"

Storage: REFRIGERATE AT 2-8°C

UP TO DECLARED EXPIRATION ON REAGENT LABEL Stability:

PROGRAM

REAGENT BLANK

CALIBRATION GENERAL

CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB**

REACTION MODE: R-S-SR1 CALIBRATION MODE: **FACTOR**

REAG. RANGE LOW: 0.8000 A REAG/DIL **REAGENT BLANK:** 2.0000 A HIGH: **CLEANER:** NO

BLANK RANGE LOW: WAVELENGHT: 405 nm -0.0100 A HIGH: 0.0100 A **DECIMAL POSITION:** 0

UNIT: U/L

FACTOR: 99000 **ANALYSIS**

CONTROL SAMPLE DIL. NAME: H20

CS1 POS: UTIL. DEF. POST. DIL. FACTOR: 2.00

N0 CONC. FACTOR: CS2 POS: UTIL. DEF.

SAMPLE CYCLE: 1

CS3 POS: UTIL. DEF. VOL: DIL: 10.0 աl 4.8 µl

REAGENT CYCLE: 1

VOL: 230 µl

START REAGENT 1: CYCLE: 4 VOL: 38 µl DIL: 10.0 μl

CALCULATION

0.1500 ΔA SAMPLE LIMIT:

> POINT: T1

REAC. DIRECTION: **DECREASE**

CHECK: ON

CONVERS. FACTOR: 1.1000

> OFFSET: 0.0000

TEST RANGE LOW: U/L

> 25000 HIGH: U/L

NORM. RANGE LOW: 5600 U/L

11200 U/L HIGH:

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: LAST: 10 7

REACTION LIMIT: N0

IUS.401.0.2 Directions for use Edition 2010-07-20 page 20 of 42

Application: CK-NAC FL - Codes CK F060 / F120 / F245 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

ON REQUEST

UTIL. DEF.

GENERAL CALIBRATION

MEASUREMENT MODE: ABSORB CALIB. INTERVAL:
REACTION MODE: R-S

CALIBRATION MODE: FACTOR REAGENT BLANK

REAGENT BLANK: REAG/DIL REAG. RANGE LOW: -0.0100 A CLEANER: NO HIGH: 0.6000 A

WAVELENGHT: 340 nm BLANK RANGE LOW: -0.0100 A

DECIMAL POSITION: 0 HIGH: 0.0100 A UNIT: U/L

FACTOR: 6878

ANALYSIS
SAMPLE DIL. NAME: H20 CONTROL

10.0 μl

DIL:

POST. DIL. FACTOR: 2.00 CS1 POS: UTIL. DEF. CONC. FACTOR: NO

CS2 POS: UTIL. DEF.

SAMPLE CYCLE: 1

CS3 POS:

REAGENT CYCLE: 1

VOL: 240 µl

10.0 μl

CALCULATION

VOL:

SAMPLE LIMIT: $0.3000 \Delta A$

POINT: T1
REAC. DIRECTION: INC

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0 U/L

HIGH: 2000 U/L

NORM. RANGE LOW: 24 U/L HIGH: 204 U/L

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 6 LAST: 12

REACTION LIMIT: 0.6000 ΔA

POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 21 of 42

Application: **CK-MB FL** - Code MB F060 / F120 CH Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 14 DAYS

PROGRAM

REAGENT BLANK

FACTOR:

CS2 POS:

CS3 POS:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

-0.0100 A

0.6000 A

-0.0100 A

0.0100 A

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

13750

GENERAL

MEASUREMENT MODE: ABSORB

CALIB. INTERVAL: ON REQUEST

REACTION MODE: R-S CALIBRATION MODE: FACTOR

REAGENT BLANK: REAG/DIL
CLEANER: NO
WAVELENGHT: 340 nm

DECIMAL POSITION: 0 UNIT: U/L

ANALYSIS

SAMPLE DIL. NAME: H20 CONTROL
POST. DIL. FACTOR: 2.00 CS1 POS:

CONC. FACTOR: NO

SAMPLE CYCLE: 1

VOL: 10.0 μl DIL: 10.0 μl

REAGENT CYCLE: 1

VOL: 240 μl

CALCULATION

SAMPLE LIMIT: $0.3000 \Delta A$

POINT: T1

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0.0 U/L

HIGH: 1000.0 U/L

24.0

U/L

NORM. RANGE LOW: 0.0 U/L

HIGH:

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 10 LAST: 20

REACTION LIMIT: $0.6000 \Delta A$

POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 22 of 42

Application: **COPPER** - Code CU 0100 CH
Preparation: AS INDICATED IN INSERT SHEET

Storage: DO NOT REFRIGERATE!

Stability: 14 DAYS

PROGRAM

GENERAL

MEASUREMENT MODE: ABSORB

REACTION MODE: R-S

CALIBRATION MODE: SLOPE AVG

REAGENT BLANK: REAG/DIL

CLEANER: NO

WAVELENGHT: 600 nm

DECIMAL POSITION: 0

UNIT: microg/dl

ANALYSIS

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 2.00 CONC. FACTOR: NO

SAMPLE CYCLE: 1 VOL: 20.0 μ l DIL: 20.0 μ l

REAGENT CYCLE: 1

VOL: 280 μl

CALCULATION

SAMPLE LIMIT: 0.1000 ΔA POINT: T1

REAC. DIRECTION: INCREASE CHECK: ON

CONVERS. FACTOR: 1.0000 0FFSET: 0.0000

TEST RANGE LOW: 0 microg/dl

HIGH: 500 microg/dl NORM. RANGE LOW: 70 microg/dl

HIGH: 140 microg/dl

NUMBER OF STEPS: 1

CALC. STEP A: ENDPOINT

READINGS FIRST: CB LAST: 10

CALIBRATION

CALIB. INTERVAL: ON REQUEST

REAGENT BLANK

REAG. RANGE LOW: -0.0500 A HIGH: 0.5000 A

BLANK RANGE LOW: -0.0500 A

HIGH: 0.5000 A

CALIBRATOR CUP POS: 1 CAL-1: UTIL. DEF

CAL-1. UIII. DE

REPLICATE: TRIPL. DEVIATION: 6%

CONTROL

CS1 POS: UTIL. DEF.

CS2 POS: UTIL. DEF.

CS3 POS: UTIL. DEF.

IUS.401.0.2 Directions for use Edition 2010-07-20 page 23 of 42

Application: **CREATININE** - Code CR 0500 / 1000 / 1500 CH

Preparation: AS INDICATED IN INSERT SHEET Storage: ROOM TEMPERATURE (2-30°C)

Stability: 14 DAYS

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST MEASUREMENT MODE: **ABSORB** REACTION MODE: R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.1000 A REAG/DIL REAGENT BLANK: 0.3500 A HIGH: **CLEANER:** BLANK RANGE LOW: -0.0300 A WAVELENGHT: 500 nm HIGH: 0.0300 A **DECIMAL POSITION:** 2 UNIT: mq/dl CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS** SAMPLE DIL. NAME: H20 REPLICATE: TRIPL. POST. DIL. FACTOR: 2.00 NO **DEVIATION:** 6% CONC. FACTOR: CONTROL **SAMPLE** CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 15.0 µl DIL: 20.0 μl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 VOL: 250 µl UTIL. DEF. CS3 POS: **CALCULATION**

0.3500 ΔA SAMPLE LIMIT:

POINT:

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0.00 mg/dl

HIGH: 20.0 mg/dl

NORM. RANGE LOW: 0.70 mg/dl

> HIGH: 1.20 mg/dl

NUMBER OF STEPS:

CALC. STEP A: **ENDPOINT**

READINGS FIRST: LAST: 3

IUS.401.0.2 Directions for use Edition 2010-07-20 page 24 of 42

Application: **GAMMA-GT FL** - Codes GT F080 / F245 / F400 / F600 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 60 DAYS

PROGRAM

CALIB. INTERVAL:

REAGENT BLANK

FACTOR:

CONTROL

CS1 POS:

CS2 POS:

CS3 POS:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

-0.0700 A

0.8000 A

-0.0100 A

0.0200 A

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

2130

CALIBRATION GENERAL

MEASUREMENT MODE: ABSORB REACTION MODE: R-S

FACTOR CALIBRATION MODE: REAG/DIL **REAGENT BLANK: CLEANER:** 405 nm

WAVELENGHT: **DECIMAL POSITION:** 0

U/L UNIT:

ANALYSIS

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 5.00

N0 CONC. FACTOR:

SAMPLE CYCLE: 1

VOL: 25.0 µl DIL: 10.0 աl

CYCLE: 1 REAGENT

VOL: 240 µl

CALCULATION

SAMPLE LIMIT: N0

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: U/L

> HIGH: 800 U/L

NORM. RANGE LOW: U/L 0

> HIGH: 50 U/L

NUMBER OF STEPS:

CALC. STEP A: **KINETIC**

READINGS FIRST: LAST:

 $0.4300 \Delta A$ REACTION LIMIT:

> POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 25 of 42

Application: **GLUCOSE FL** - Codes GL F400 / 100F / 150F CH

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK **CALIBRATION MODE:** REAG. RANGE LOW: -0.0500 A REAG/DIL **REAGENT BLANK:** 0.2000 A HIGH: **CLEANER:** BLANK RANGE LOW: -0.0500 A WAVELENGHT: 500 nm HIGH: 0.2000 A **DECIMAL POSITION:** UNIT: mg/dl CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS** SAMPLE DIL. NAME: H20 REPLICATE: TRIPL. POST. DIL. FACTOR: 2.00 N0 **DEVIATION:** 6% CONC. FACTOR: CONTROL SAMPLE CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 3.0 µl DIL: 20.0 μl CS2 POS: UTIL. DEF. CYCLE: 1 REAGENT VOL: 250 µl UTIL. DEF. CS3 POS: **CALCULATION** $0.1000 \Delta A$ SAMPLE LIMIT: POINT: **REAC. DIRECTION: INCREASE**

CONVERS. FACTOR: 1.0000 OFFSET:

CHECK:

TEST RANGE LOW: mq/dl

> HIGH: 500 mg/dl

ON

0.0000

NORM. RANGE LOW: 70 mg/dl

> HIGH: 105 mg/dl

NUMBER OF STEPS:

CALC. STEP A: **ENDPOINT**

READINGS FIRST: LAST: CB 15

IUS.401.0.2 Directions for use Edition 2010-07-20 page 26 of 42

Application: GLUCOSE UV FL - Code GL F601 CH Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 60 DAYS

PROGRAM

GENERAL MEASUREMENT MODE: ABSORB REACTION MODE: R-S SLOPE AVG **CALIBRATION MODE:** REAG/DIL **REAGENT BLANK: CLEANER:** WAVELENGHT: 340 nm **DECIMAL POSITION:** 0 UNIT: mg/dl **ANALYSIS**

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 2.00 CONC. FACTOR: N0

SAMPLE CYCLE: 1 VOL: 3.0 µl DIL: 20.0 μl

CYCLE: 1 REAGENT

VOL: 250 µl

CALCULATION

 $0.1000 \Delta A$ SAMPLE LIMIT:

POINT:

REAC. DIRECTION: INCREASE CHECK: ON

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: mq/dl

> HIGH: 700 mg/dl

NORM. RANGE LOW: 70 mg/dl

HIGH: 105 mg/dl

NUMBER OF STEPS: 1

ENDPOINT CALC. STEP A:

READINGS FIRST: LAST: CB 15

CALIBRATION

CALIB. INTERVAL:

REAGENT BLANK REAG. RANGE LOW: -0.0500 A

> 0.2000 A HIGH:

ON REQUEST

BLANK RANGE LOW: -0.0500 A

> HIGH: 0.2000 A

CUP POS: CALIBRATOR

CAL-1: UTIL. DEF

REPLICATE: TRIPL. **DEVIATION:** 6%

CONTROL

CS1 POS: UTIL. DEF.

CS2 POS: UTIL. DEF.

CS3 POS: UTIL. DEF.

IUS.401.0.2 Directions for use Edition 2010-07-20 page 27 of 42

Application: **GOT/AST FL** - Codes GO F080 / F245 / F400 / F600 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

CALIB. INTERVAL:

REAGENT BLANK

FACTOR:

CONTROL

CS1 POS:

CS2 POS:

CS3 POS:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

0.4000 A

1.6000 A

-0.2000 A

0.2000 A

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

2910

GENERAL CALIBRATION

MEASUREMENT MODE: ABSORB

REACTION MODE: R-S

CALIBRATION MODE: FACTOR
REAGENT BLANK: REAG/DIL
CLEANER: NO

WAVELENGHT: 340 nm
DECIMAL POSITION: 0

UNIT: U/L

ANALYSIS

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 5.00

CONC. FACTOR: NO

SAMPLE CYCLE: 1

VOL: 25.0 μl DIL: 10.0 μl

REAGENT CYCLE: 1

VOL: 240 μl

CALCULATION

SAMPLE LIMIT: NO

REAC. DIRECTION: DECREASE CHECK: ON

HECK: UN

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: 0 U/L HIGH: 440 U/L

NORM. RANGE LOW: 0 U/L

HIGH: 35 U/L

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 4 LAST: 8

REACTION LIMIT: $0.2000 \Delta A$

POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 28 of 42

Application: **GPT/ALT FL** - Codes GP F080 / F245 / F400 / F600 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

CALIBRATION GENERAL

CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB**

REACTION MODE: R-S FACTOR REAGENT BLANK CALIBRATION MODE:

REAG. RANGE LOW: 0.4000 A REAG/DIL **REAGENT BLANK:** 1.6000 A HIGH:

CLEANER: BLANK RANGE LOW: -0.2000 A WAVELENGHT: 340 nm

HIGH: 0.2000 A **DECIMAL POSITION:** 0

U/L UNIT: FACTOR: 2910

ANALYSIS CONTROL SAMPLE DIL. NAME: H20

CS1 POS: UTIL. DEF. POST. DIL. FACTOR: 5.00

N0 CONC. FACTOR: CS2 POS: UTIL. DEF.

SAMPLE CYCLE: 1

CS3 POS: UTIL. DEF. VOL: 25.0 μl DIL: 10.0 աl

CYCLE: 1 REAGENT

N0

VOL: 240 µl

CALCULATION LIMIT:

SAMPLE

REAC. DIRECTION: **DECREASE**

CHECK: ON

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: U/L

HIGH: 440 U/L

NORM. RANGE LOW: U/L

HIGH: 45 U/L

NUMBER OF STEPS:

CALC. STEP A: KINETIC

READINGS FIRST: LAST:

 $0.2000 \Delta A$ REACTION LIMIT:

> POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 29 of 42

Application: **IRON FZ** - Code FE F245 / F400 CH Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - MIX AS INDICATED IN INSERT SHEET.

INSTALL AS "START REAGENT 1"

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

REAGENT BLANK

CALIBRATOR

REPLICATE:

DEVIATION:

CONTROL

CS1 POS:

CS2 POS:

CS3 POS:

CAL-1:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

-0.0500 A

0.1000 A

-0.0500 A

0.0500 A

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

CUP POS: UTIL. DEF

TRIPL.

6%

GENERAL

MEASUREMENT MODE: ABSORB

CALIBRATION

CALIB. INTERVAL:

MEASUREMENT MODE: ABSORB
REACTION MODE: R-S-SR1
CALIBRATION MODE: SLOPE AVG

REAGENT BLANK: REAG/DIL
CLEANER: NO
WAVELENGHT: 550nm
DECIMAL POSITION: 0

UNIT: µg/dl

ANALYSIS

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 2.00 CONC. FACTOR: NO

SAMPLE CYCLE: 1 VOL: 50.0 μl DIL: 20.0 μl

REAGENT CYCLE: 1

VOL: 200 μl

START REAGENT 1 CYCLE: 12 VOL: 50 μl DIL: 20.0 μl

CALCULATION

SAMPLE LIMIT: $0.3000 \Delta A$

POINT: 11

REAC. DIRECTION: INCREASE CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0 mg/dl

HIGH: 1000 mg/dl NORM. RANGE LOW: 59 mg/dl

HIGH: 158 mg/dl

NUMBER OF STEPS: 1

CALC. STEP A: ENDPOINT

READINGS FIRST: 11 LAST: 15

IUS.401.0.2 Directions for use Edition 2010-07-20 page 30 of 42

Application: LDH FL - Codes LD F060 / F120 / F245 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

CALIB. INTERVAL:

REAGENT BLANK

FACTOR:

CS2 POS:

CS3 POS:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

0.3000 A

1.0000 A

-0.2000 A

0.2000 A

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

26715

GENERAL CALIBRATION

MEASUREMENT MODE: ABSORB

REACTION MODE: R-S CALIBRATION MODE: FACTOR

REAGENT BLANK: REAG/DIL CLEANER: NO

WAVELENGHT: 340 nm DECIMAL POSITION: 0

UNIT: U/L

ANALYSIS

SAMPLE DIL. NAME: H20 CONTROL POST. DIL. FACTOR: 2.00 CS1 POS:

CONC. FACTOR: NO

SAMPLE CYCLE: 1

VOL: 3.0 μl DIL: 20.0 μl

REAGENT CYCLE: 1

VOL: 280 μl

CALCULATION

SAMPLE LIMIT: $0.2000 \Delta A$

POINT: T1

REAC. DIRECTION: DECREASE

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0 U/L HIGH: 4000 U/L

NORM. RANGE LOW: 225 U/L

HIGH: 450 U/L

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: 3 LAST: 7

REACTION LIMIT: $0.2000 \Delta A$

POINT: T1

IUS.401.0.2 Directions for use Edition 2010-07-20 page 31 of 42

Application: LIPASE FL - Code LP F060 CH

Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - INSTALL AS "START REAGENT 1"

REFRIGERATE AT 2-8°C Storage:

PROGRAM

GENERAL

MEASUREMENT MODE: ABSORB REACTION MODE: R-S-SR1 CALIBRATION MODE: SLOPE AVG

REAG/DIL REAGENT BLANK: **CLEANER: BEFORE** WAVELENGHT: 550 nm

DECIMAL POSITION: 1 UNIT: U/L

ANALYSIS

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 2.00 N0 CONC. FACTOR:

SAMPLE CYCLE: 1

VOL: 2.5 µl DIL: 15.0 աl

REAGENT CYCLE: 1

VOL: 240 µl

START REAGENT 1: CYCLE: 4 VOL: 60 µl DIL: 10.0 μl

CALCULATION

0.5000 ΔA SAMPLE LIMIT:

POINT:

REAC. DIRECTION: **INCREASE** CHECK: ON

CONVERS. FACTOR: 1.0000

> OFFSET: 0.0000

TEST RANGE LOW: 0 U/L

U/L HIGH: 250

NORM. RANGE LOW: U/L 0 U/L HIGH: 63

NUMBER OF STEPS: 1

CALC. STEP A: KINETIC

READINGS FIRST: LAST: 10 6

REACTION LIMIT: N0 **CALIBRATION**

CALIB. INTERVAL: ON REQUEST

REAGENT BLANK

REAG. RANGE LOW: N0

N0 HIGH: **BLANK RANGE LOW:** N0

> HIGH: N0

CALIBRATOR CUP POS: DEF

CAL-1: UTIL. DEF

REPLICATE: TRIPL. **DEVIATION:** 10%

CONTROL

UTIL. DEF. CS1 POS:

CS2 POS: UTIL. DEF.

CS3 POS: UTIL. DEF.

IUS.401.0.2 Directions for use Edition 2010-07-20 page 32 of 42

Application: MAGNESIUM - Code MG 0200 / 0500 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C (STABLE 90 days)

ROOM TEMPERATURE 15-30°C (STABLE 30 days)

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.0500 A REAG/DIL REAGENT BLANK: 0.5000 A HIGH: CLEANER: **SELECT** BLANK RANGE LOW: -0.0500 A AFTER TESTS: CHOL TRIG ALP HIGH: 0.5000 A 500nm WAVELENGHT: **DECIMAL POSITION:** CALIBRATOR CUP POS: UNIT: mEq/l CAL-1: UTIL. DEF **ANALYSIS** REPLICATE: TRIPL. SAMPLE DIL. NAME: H20 N0 **DEVIATION:** 5% POST. DIL. FACTOR: N0 CONC. FACTOR: CONTROL CS1 POS: UTIL. DEF. SAMPLE CYCLE: 1 DIL: VOL: 3.0 µl 20.0 μl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 UTIL. DEF. CS3 POS: VOL: 280 μl **CALCULATION**

SAMPLE LIMIT: $0.1000 \Delta A$

POINT: T1

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0.00 mEq/l

HIGH: 8.00 mEq/l LOW: 1.30 mEq/l

NORM. RANGE LOW: 1.30 mEq/l HIGH: 2.10 mEq/l

NUMBER OF STEPS: 1

CALC. STEP A: ENDPOINT

READINGS FIRST: CB LAST: 4

IUS.401.0.2 Directions for use Edition 2010-07-20 page 33 of 42

Application: MAGNESIUM XL - Code MX 0300 / 0500 CH Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.0500 A REAG/DIL REAGENT BLANK: 0.5000 A HIGH: CLEANER: **SELECT** BLANK RANGE LOW: -0.0500 A AFTER TESTS: CHOL TRIG ALP HIGH: 0.5000 A 550 nm WAVELENGHT: **DECIMAL POSITION:** CALIBRATOR CUP POS: UNIT: mEq/l CAL-1: UTIL. DEF **ANALYSIS** REPLICATE: TRIPL. SAMPLE DIL. NAME: H20 N0 **DEVIATION:** 5% POST. DIL. FACTOR: N0 CONC. FACTOR: CONTROL CS1 POS: UTIL. DEF. SAMPLE CYCLE: 1 DIL: VOL: 3.0 µl 20.0 μl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 CS3 POS: UTIL. DEF. VOL: 300 μl **CALCULATION** SAMPLE LIMIT: $0.1000 \Delta A$

POINT: T1

REAC. DIRECTION: **INCREASE**

CHECK: ON

1.0000 CONVERS. FACTOR:

> 0.0000 OFFSET:

TEST RANGE LOW: 0.00 mEq/l

HIGH: 6.00 mEq/l 1.30 mEq/l

NORM. RANGE LOW: HIGH: 2.10 mEq/l

NUMBER OF STEPS: 1

CALC. STEP A: **ENDPOINT**

READINGS FIRST: CB LAST: 12

IUS.401.0.2 Directions for use Edition 2010-07-20 page 34 of 42

Application: PHOSPHORUS - Code PH 0100 / 0500 CH Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.0500 A REAG/DIL REAGENT BLANK: 0.5000 A HIGH: CLEANER: **SELECT** BLANK RANGE LOW: -0.0500 A AFTER TESTS: LDH - URIC - GLUC HIGH: 0.5000 A 340 nm WAVELENGHT: **DECIMAL POSITION:** 2 CALIBRATOR CUP POS: UNIT: mg/dl CAL-1: UTIL. DEF **ANALYSIS** REPLICATE: TRIPL. SAMPLE DIL. NAME: H20 2.00 **DEVIATION:** 6% POST. DIL. FACTOR: N0 CONC. FACTOR: CONTROL CS1 POS: UTIL. DEF. SAMPLE CYCLE: 1 DIL: VOL: 3.0 µl 20.0 μl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 CS3 POS: UTIL. DEF. 250 μl VOL: **CALCULATION** SAMPLE LIMIT: 0.2000 ΔA

POINT: T1

REAC. DIRECTION: **INCREASE**

CHECK: ON

1.0000 CONVERS. FACTOR:

> 0.0000 OFFSET:

TEST RANGE LOW: 0.0 mg/dl

HIGH: 20.0 mg/dl 2.5 mq/dl

NORM. RANGE LOW: mg/dl HIGH: 4.5

NUMBER OF STEPS: 1

CALC. STEP A: **ENDPOINT**

READINGS FIRST: CB LAST: 12

IUS.401.0.2 Directions for use Edition 2010-07-20 page 35 of 42

Application: **PROTEINS HS** - Code HS 0100 / 0500 CH LIQUID READY TO USE SINGLE REAGENT

Storage: ROOM TEMPERATURE (2-30°C)

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: NO REAG/DIL **REAGENT BLANK:** N0 HIGH: **CLEANER:** BLANK RANGE LOW: N0 WAVELENGHT: 600 nm HIGH: N0 **DECIMAL POSITION:** 0 UNIT: mg/dl CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS** SAMPLE DIL. NAME: H20 **REPLICATE:** TRIPL. POST. DIL. FACTOR: 2.00 N0 **DEVIATION:** 10% CONC. FACTOR: CONTROL SAMPLE CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 2.5 µl DIL: 20.0 μl CS2 POS: UTIL. DEF. CYCLE: 1 REAGENT VOL: 300 µl UTIL. DEF. CS3 POS: **CALCULATION** SAMPLE LIMIT: 0.3500 ∆A POINT: **REAC. DIRECTION: INCREASE** CHECK: ON

FACTOR:

OFFSET:

HIGH:

HIGH:

FIRST:

1.0000

0.0000

500

28

141

ENDPOINT

mq/dl

mg/dl

mg/dl

mg/dl

LAST:

12

CONVERS.

TEST RANGE LOW:

NORM. RANGE LOW:

NUMBER OF STEPS:

CALC. STEP A:

READINGS

IUS.401.0.2 Directions for use Edition 2010-07-20 page 36 of 42

Application: **PROTEINS (TOTAL)** - Codes TP 0100 / 0500 / 1000 / 1500 CH

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: ROOM TEMPERATURE (2-30°C)

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB** REACTION MODE: R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.0100 A REAGENT BLANK: REAG/DIL 0.5000 A HIGH: **CLEANER:** WAVELENGHT: 550 nm BLANK RANGE LOW: -0.0100 A HIGH: 0.5000 A **DECIMAL POSITION:** 1 UNIT: g/dl CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS** H20 SAMPLE DIL. NAME: REPLICATE: TRIPL. POST. DIL. FACTOR: 2.00 NO **DEVIATION:** 6% CONC. FACTOR: CONTROL **SAMPLE** CYCLE: 1 UTIL. DEF. CS1 POS: VOL: 3.0 µl DIL: 20.0 µl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 VOL: 280 µl UTIL. DEF. CS3 POS: **CALCULATION** SAMPLE LIMIT: 0.3500 ΔA POINT: **REAC. DIRECTION: INCREASE** CHECK: ON

HIGH: NORM. RANGE LOW: 6.30

FACTOR:

OFFSET:

CONVERS.

TEST RANGE LOW:

HIGH: 8.30 g/dl

1.0000

0.0000

q/dl

g/dl

g/dl

0.0

12.0

NUMBER OF STEPS:

CALC. STEP A: **ENDPOINT**

READINGS FIRST: CB LAST: 12

IUS.401.0.2 Directions for use Edition 2010-07-20 page 37 of 42

Application: TRIGLYCERIDES FL - Codes TR F100 / F400 / 100F / 150F CH

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB** REACTION MODE: R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: -0.0500 A REAG/DIL **REAGENT BLANK:** 0.1800 A HIGH: **CLEANER:** BLANK RANGE LOW: -0.0500 A WAVELENGHT: 500 nm HIGH: 0.1800 A **DECIMAL POSITION:** UNIT: mg/dl CALIBRATOR CUP POS: CAL-1: UTIL. DEF **ANALYSIS** SAMPLE DIL. NAME: H20 REPLICATE: TRIPL. POST. DIL. FACTOR: 2.00 N0 **DEVIATION:** 6% CONC. FACTOR: CONTROL **SAMPLE** CYCLE: 1 CS1 POS: UTIL. DEF. VOL: 3.0 µl DIL: 20.0 µl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 VOL: 280 µl UTIL. DEF. CS3 POS: **CALCULATION** $0.1000 \Delta A$ SAMPLE LIMIT: POINT: **REAC. DIRECTION: INCREASE** CHECK: ON

FACTOR:

OFFSET:

HIGH:

HIGH:

FIRST:

1.0000

0.0000

1000

0

1

CB

200

ENDPOINT

mg/dl

mg/dl

mg/dl

mg/dl

LAST:

13

CONVERS.

TEST RANGE LOW:

NORM. RANGE LOW:

NUMBER OF STEPS:

CALC. STEP A:

READINGS

IUS.401.0.2 Directions for use Edition 2010-07-20 page 38 of 42

Application: **UREA UV FL** - Codes AZ F080 / F245 / F400 / F600 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 60 DAYS

PROGRAM

CALIBRATION GENERAL CALIB. INTERVAL: ON REQUEST **MEASUREMENT MODE: ABSORB REACTION MODE:** R-S SLOPE AVG REAGENT BLANK CALIBRATION MODE: REAG. RANGE LOW: 0.4000 A REAG/DIL REAGENT BLANK: 1.4000 A HIGH: CLEANER: **SELECT** BLANK RANGE LOW: -0.0300 A AFTER TESTS: IRON HIGH: 0.1000 A 340 nm WAVELENGHT: **DECIMAL POSITION:** CALIBRATOR CUP POS: UNIT: mg/dl CAL-1: UTIL. DEF **ANALYSIS** REPLICATE: TRIPL. SAMPLE DIL. NAME: H20 2.00 **DEVIATION:** 6% POST. DIL. FACTOR: N0 CONC. FACTOR: CONTROL CS1 POS: UTIL. DEF. SAMPLE CYCLE: 1 VOL: 3.0 µl DIL: 20.0 μl CS2 POS: UTIL. DEF. REAGENT CYCLE: 1 CS3 POS: UTIL. DEF. VOL: 280 μl

CALCULATION

SAMPLE LIMIT: $0.1000 \Delta A$ T1

POINT:

REAC. DIRECTION: **DECREASE**

CHECK: ON

1.0000 CONVERS. FACTOR:

> 0.0000 OFFSET:

TEST RANGE LOW: 0.0 mg/dl

HIGH: 300.0 mg/dl 10.0 mq/dl

NORM. RANGE LOW: 50.0 HIGH: mg/dl

NUMBER OF STEPS: 1

CALC. STEP A: **ENDPOINT**

READINGS LAST: FIRST:

IUS.401.0.2 Directions for use Edition 2010-07-20 page 39 of 42

Application: **URIC ACID T FL** - Code AU F402 CH AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 90 DAYS

PROGRAM

CALIBRATION

CALIB. INTERVAL:

REAGENT BLANK

CALIBRATOR CAL-1:

REPLICATE:

DEVIATION:

CONTROL

CS1 POS:

CS2 POS:

CS3 POS:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

-0.0500 A

0.1600 A

-0.0500 A

0.1000 A

CUP POS:

UTIL. DEF

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

TRIPL.

6%

GENERAL MEASUREMENT MODE: ABSORB REACTION MODE: R-S SLOPE AVG CALIBRATION MODE: REAG/DIL **REAGENT BLANK: CLEANER:** WAVELENGHT: 550 nm **DECIMAL POSITION:** 2 UNIT: mg/dl **ANALYSIS** SAMPLE DIL. NAME: H20

SAMPLE DIL. NAME: H20
POST. DIL. FACTOR: 2.00
CONC. FACTOR: NO

SAMPLE CYCLE: 1 VOL: 8.0 μl DIL: 20.0 μl

REAGENT CYCLE: 1

VOL: 250 μl

CALCULATION

SAMPLE LIMIT: 0.1000 ΔA POINT: T1

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000 0FFSET: 0.0000

TEST RANGE LOW: 0.00 mg/dl

HIGH: 25.00 mg/dl

NORM. RANGE LOW: 3.50 mg/dl HIGH: 7.20 mg/dl

NUMBER OF STEPS: 1

CALC. STEP A: ENDPOINT

READINGS FIRST: CB LAST: 16

IUS.401.0.2 Directions for use Edition 2010-07-20 page 40 of 42

Application: URIC ACID AOX FL - Code AX F100 / F250 / F060 CH

Preparation: REAGENT A - INSTALL AS "REAGENT"

REAGENT B - INSTALL AS "START REAGENT 1"

Storage: REFRIGERATE AT 2-8°C

PROGRAM

GENERAL MEASUREMENT MODE: ABSORB REACTION MODE: R-S-SR1 SLOPE AVG CALIBRATION MODE: REAG/DIL **REAGENT BLANK: CLEANER:** WAVELENGHT: 550 nm **DECIMAL POSITION:** 2 UNIT: mg/dl

ANALYSIS

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 2.00 CONC. FACTOR: NO

SAMPLE CYCLE: 1 VOL: 10.0 μ l DIL: 10.0 μ l

REAGENT CYCLE: 1 VOL: 190 μl

START REAGENT 1: CYCLE: 13 VOL: 50 μl DIL: 5.0 μl

CALCULATION

SAMPLE LIMIT: $0.5000 \Delta A$ POINT: 1

REAC. DIRECTION: INCREASE CHECK: ON

CONVERS. FACTOR: 1.0000 OFFSET: 0.0000

TEST RANGE LOW: 0 mg/dl HIGH: 35 mg/dl

NORM. RANGE LOW: 3.5 mg/dl HIGH: 7.2 mg/dl

NUMBER OF STEPS: 1

CALC. STEP A: ENDPOINT

READINGS FIRST: 10 LAST: 25

REACTION LIMIT: NO

CALIBRATION

CALIB. INTERVAL: ON REQUEST

REAGENT BLANK

REAG. RANGE LOW: NO
HIGH: NO
BLANK RANGE LOW: NO

HIGH: NO

CALIBRATOR CUP POS: DEF

CAL-1: UTIL. DEF

REPLICATE: TRIPL. DEVIATION: 3%

CONTROL

CS1 POS: UTIL. DEF.

CS2 POS: UTIL. DEF.

CS3 POS: UTIL. DEF.

IUS.401.0.2 Directions for use Edition 2010-07-20 page 41 of 42

Application: **ZINC** - Code ZN 0125 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 14 DAYS

PROGRAM

CALIB. INTERVAL:

REAGENT BLANK

CALIBRATOR CAL-1:

REPLICATE:

DEVIATION:

CONTROL

CS1 POS:

CS2 POS:

CS3 POS:

REAG. RANGE LOW:

BLANK RANGE LOW:

HIGH:

HIGH:

ON REQUEST

-0.0500 A

0.5000 A

-0.0500 A

0.5000 A

UTIL. DEF.

UTIL. DEF.

UTIL. DEF.

CUP POS:

UTIL. DEF

TRIPL.

6%

GENERAL CALIBRATION

MEASUREMENT MODE: ABSORB

REACTION MODE: R-S

CALIBRATION MODE: SLOPE AVG REAGENT BLANK: REAG/DIL

CLEANER: NO WAVELENGHT: 600 nm

DECIMAL POSITION: 0
UNIT: microg/dl

onii.

SAMPLE DIL. NAME: H20 POST. DIL. FACTOR: 2.00

CONC. FACTOR: NO

SAMPLE CYCLE: 1 VOL: 15.0 μl DIL: 20.0 μl

REAGENT CYCLE: 1

VOL: 280 µl

CALCULATION

ANALYSIS

SAMPLE LIMIT: $0.1000 \Delta A$

POINT: T1

REAC. DIRECTION: INCREASE

CHECK: ON

CONVERS. FACTOR: 1.0000

OFFSET: 0.0000

TEST RANGE LOW: 0 microq/dl

HIGH: 500 microg/dl

NORM. RANGE LOW: 70 microg/dl

HIGH: 150 microg/dl

NUMBER OF STEPS: 1

CALC. STEP A: ENDPOINT

READINGS FIRST: CB LAST: 10

IUS.401.0.2 Directions for use Edition 2010-07-20 page 42 of 42