

Clinical chemistry

Hycel Lisa[®] series (Mascott)

Warning!

The given programs must be used only as guideline.
To check the reagent correct setting on the instrument, use only good quality control sera and work in accordance with good laboratory practice. Always check instrumental factors.
This company couldn't be considered responsible for instrumental wrong programming.

Analyzer: HYCEL Lisa

Application: **ACID PHOSPHATASE (TOTAL)** - Codes AC 0120 / 0245 TC
Preparation: POWDER SINGLE REAGENT.
FOLLOW PREPARATION PROGRAM INDICATED IN INSERT SHEET.
Storage: REFRIGERATE AT 2-8°C
Stability: 10 DAYS

PROGRAM

ANALYSIS NAME	:	ACID PHOS
SHORT NAME	:	ACP
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	405
EPSILON	:	1290
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	6
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	300
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	4.7
LOWER NORMAL VALUE	:	0.0
LINEARITY LIMIT	:	75
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	500
BLANK ACCEPT LIMIT	:	20
LIMIT DOT1-DOT0	:	100

Analyzer: HYCEL Lisa

Application: **ALBUMIN** - Codes BC 0500 CH
Preparation: LIQUID READY TO USE SINGLE REAGENT
Storage: ROOM TEMPERATURE (2-30°C)
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	ALBUMIN
SHORT NAME	:	ALB
UNIT	:	g/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	600
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	3
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	5.1
LOWER NORMAL VALUE	:	3.8
LINEARITY LIMIT	:	7
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	600

Analyzer: HYCEL LisaApplication: **ALKALINE PHOSPHATASE FL** - Codes AL F245 / F400 / F600 CH

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

ANALYSIS NAME	:	ALK PHOS
SHORT NAME	:	ALP
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	405
EPSILON	:	1300
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	3
NUMBER OF MEASUREMENTS	:	5
REAGENT 1 VOLUME	:	400
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	12
DILUTION RATE	:	10
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	306
LOWER NORMAL VALUE	:	64
LINEARITY LIMIT	:	2000
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700
BLANK ACCEPT LIMIT	:	20
LIMIT DOT1-DOT0	:	250

Analyzer: HYCEL Lisa

Application: **AMYLASE FL** - Codes AM 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

ANALYSIS NAME	:	AMYLASE
SHORT NAME	:	AMY
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	405
EPSILON	:	530
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	3
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	400
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	10
DILUTION RATE	:	5
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	90
LOWER NORMAL VALUE	:	0
LINEARITY LIMIT	:	2000
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	400
BLANK ACCEPT LIMIT	:	10
LIMIT DOT1-DOTO	:	250

Analyzer: HYCEL Lisa

Application: **AMYLASE EPS FL** - Codes EA F245 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 30 DAYS

PROGRAM

ANALYSIS NAME	:	AMYLASE
SHORT NAME	:	AMY
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	405
EPSILON	:	910
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	3
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	400
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	10
DILUTION RATE	:	5
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	220
LOWER NORMAL VALUE	:	10
LINEARITY LIMIT	:	5000
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	400
BLANK ACCEPT LIMIT	:	10
LIMIT DOT1-DOT0	:	250

Analyzer: HYCEL Lisa

Application: **TOTAL BILIRUBIN** - Code BT 0360 CH

Preparation: "REAGENT 1": USE LIQUID READY TO USE REAGENT A

"REAGENT 2": MIX 30 PARTS OF REAGENT B1 WITH ONE PART OF REAGENT B2
TO BE PREPARED DAILY

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL (ONLY "REAGENT 1")

PROGRAM

ANALYSIS NAME	:	BILIRUBIN T
SHORT NAME	:	BIT
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	500
STD=0 IN CURVE	:	YES
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	YES
NUMBER OF MEASUREMENTS	:	13
REAGENT 1 VOLUME	:	400
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	90
REAGENT 2 DILUENT	:	10
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	1.2
LOWER NORMAL VALUE	:	0.1
LINEARITY LIMIT	:	20
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	300

Analyzer: HYCEL Lisa

Application: **DIRECT BILIRUBIN** - Code BD 0480CH

Preparation: "REAGENT 1": USE LIQUID READY TO USE REAGENT A

"REAGENT 2": MIX 30 PARTS OF REAGENT A WITH ONE PART OF REAGENT B
TO BE PREPARED DAILY.

Storage: REFRIGERATE AT 2-8°C

Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL (ONLY "REAGENT 1")

PROGRAM

ANALYSIS NAME	:	BILIRUBIN D
SHORT NAME	:	BID
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	560
STD=0 IN CURVE	:	YES
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	YES
NUMBER OF MEASUREMENTS	:	13
REAGENT 1 VOLUME	:	400
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	90
REAGENT 2 DILUENT	:	10
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	0.2
LOWER NORMAL VALUE	:	0.0
LINEARITY LIMIT	:	20
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	300

Analyzer: HYCEL Lisa

Application: **CALCIUM** - Code CA 0505 CH
Preparation: MIX 1 PART OF REAGENT A WITH 1 PART OF REAGENT B
Storage: REFRIGERATE AT 2-8°C
Stability: 7 DAYS

PROGRAM

ANALYSIS NAME	:	CALCIUM
SHORT NAME	:	CA
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	560
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	10
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	10.8
LOWER NORMAL VALUE	:	8.8
LINEARITY LIMIT	:	20
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **CALCIUM ASX** - Code CA 0500 CH
Preparation: LIQUID REAGENT READY TO USE
Storage: ROOM TEMPERATURE (2-30°C)
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	CALCIUM
SHORT NAME	:	CA
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	620
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	10.8
LOWER NORMAL VALUE	:	8.8
LINEARITY LIMIT	:	20
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **CHLORIDE** - Code CL 0500 CH
Preparation: LIQUID READY TO USE SINGLE REAGENT
Storage: ROOM TEMPERATURE (2-30°C)
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	CHLORIDE
SHORT NAME	:	CL
UNIT	:	mEq/l
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	500
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	3
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	110
LOWER NORMAL VALUE	:	98
LINEARITY LIMIT	:	200
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **CHOLESTEROL FL** - Codes CT F400 / 150F CH
Preparation: LIQUID READY TO USE SINGLE REAGENT
Storage: REFRIGERATE AT 2-8°C
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	CHOLESTEROL
SHORT NAME	:	CHOL
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	500
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	200
LOWER NORMAL VALUE	:	140
LINEARITY LIMIT	:	800
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

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

Preparation: REAGENT A - INSTALL AS "REAGENT 1"

REAGENT B - INSTALL AS "REAGENT 2"

Storage: REFRIGERATE AT 2-8°C

Stability: 60 DAYS ON BOARD

PROGRAM

ANALYSIS NAME	:	HDL
SHORT NAME	:	HDL
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	600
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	YES
NUMBER OF MEASUREMENTS	:	13
REAGENT 1 VOLUME	:	300
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	100
REAGENT 2 DILUENT	:	10
REAGENT 2 POSITION	:	DEFINE
SAMPLE VOLUME	:	4
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	55
LOWER NORMAL VALUE	:	35
LINEARITY LIMIT	:	250
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	500

Analyzer: HYCEL Lisa

Application: **CHOLINESTERASE FL (DGKC)** - Codes CH F245 CH
 Preparation: MIX REAGENT A AND REAGENT B AS INDICATED IN INSERT SHEET
 Storage: REFRIGERATE AT 2-8°C
 Stability: 30 DAYS

PROGRAM

ANALYSIS NAME	:	CHOLINESTERASE
SHORT NAME	:	CHE
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	405
EPSILON	:	-9270
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	3
NUMBER OF MEASUREMENTS	:	3
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	10
DILUTION RATE	:	5
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	11200
LOWER NORMAL VALUE	:	5600
LINEARITY LIMIT	:	20000
BLANK LOWER LIMIT	:	700
BLANK UPPER LIMIT	:	2000
BLANK ACCEPT LIMIT	:	20
LIMIT DOT1-DOTO	:	0

NOTE FOR DIBUCAINE NUMBER EXECUTION :

Prepare the reagent using auxiliary reactive
 CH F020 CH DIBUCAINE.
 For testing follow the above given cholinesterase
 program. Calculate dibucaine number as indicated
 in insert sheet.

Analyzer: HYCEL Lisa

Application: **CK-NAC FL** - Codes CK F120 / F245 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 30 DAYS

PROGRAM

ANALYSIS NAME	:	CKNAC
SHORT NAME	:	CK
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	340
EPSILON	:	622
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	5
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	400
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	16
DILUTION RATE	:	10
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	190
LOWER NORMAL VALUE	:	15
LINEARITY LIMIT	:	1600
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	400
BLANK ACCEPT LIMIT	:	20
LIMIT DOT1-DOT0	:	500

Analyzer: HYCEL Lisa

Application: **CK-MB FL** - Code MB F120 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 14 DAYS

PROGRAM

ANALYSIS NAME	:	CKMB
SHORT NAME	:	MB
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	340
EPSILON	:	622
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	6
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	400
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	16
DILUTION RATE	:	10
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	24
LOWER NORMAL VALUE	:	0
LINEARITY LIMIT	:	1600
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	400
BLANK ACCEPT LIMIT	:	20
LIMIT DOT1-DOT0	:	500

Analyzer: HYCEL Lisa

Application: **COPPER** - Code CU 0100 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 14 DAYS

PROGRAM

ANALYSIS NAME	:	COPPER
SHORT NAME	:	CU
UNIT	:	microg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	560
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	140
LOWER NORMAL VALUE	:	80
LINEARITY LIMIT	:	500
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **CREATININE** - Code CR 0500 CH
Preparation: MIX 1 PART OF REAGENT A WITH 1 PART OF REAGENT B
Storage: ROOM TEMPERATURE (2-30°C)
Stability: 14 DAYS

PROGRAM

ANALYSIS NAME	:	CREATININE
SHORT NAME	:	CREA
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	500
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	1
NUMBER OF MEASUREMENTS	:	5
REAGENT 1 VOLUME	:	300
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	1.2
LOWER NORMAL VALUE	:	0.5
LINEARITY LIMIT	:	12
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	400

Analyzer: HYCEL Lisa

Application: **GAMMA-GT FL** - Codes GT F245 / F400 / F600 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 60 DAYS

PROGRAM

ANALYSIS NAME	:	GAMMA GT
SHORT NAME	:	GGT
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	405
EPSILON	:	800
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	3
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	300
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	5
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	47
LOWER NORMAL VALUE	:	10
LINEARITY LIMIT	:	800
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	600
BLANK ACCEPT LIMIT	:	5
LIMIT DOT1-DOT0	:	250

Analyzer: HYCEL Lisa

Application: **GLUCOSE FL** - Codes GL F400 / 150F CH
Preparation: LIQUID READY TO USE SINGLE REAGENT
Storage: REFRIGERATE AT 2-8°C
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	GLUCOSE
SHORT NAME	:	GLUC
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	500
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	110
LOWER NORMAL VALUE	:	60
LINEARITY LIMIT	:	500
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **GLUCOSE UV FL** - Code GL F601 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 60 DAYS

PROGRAM

ANALYSIS NAME	:	GLUCOSE
SHORT NAME	:	GLUC
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	340
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	110
LOWER NORMAL VALUE	:	60
LINEARITY LIMIT	:	1000
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **GOT/AST FL** - Codes GO F245 / F400 / F600 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 30 DAYS

PROGRAM

ANALYSIS NAME	:	GOTAST
SHORT NAME	:	GOT
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	340
EPSILON	:	-622
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	5
NUMBER OF MEASUREMENTS	:	5
REAGENT 1 VOLUME	:	300
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	5
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	40
LOWER NORMAL VALUE	:	0
LINEARITY LIMIT	:	400
BLANK LOWER LIMIT	:	1000
BLANK UPPER LIMIT	:	2000
BLANK ACCEPT LIMIT	:	5
LIMIT DOT1-DOT0	:	500

Analyzer: HYCEL Lisa

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

Preparation: AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 30 DAYS

PROGRAM

ANALYSIS NAME	:	GPTALT
SHORT NAME	:	GPT
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	340
EPSILON	:	-622
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	5
NUMBER OF MEASUREMENTS	:	5
REAGENT 1 VOLUME	:	300
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	5
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	40
LOWER NORMAL VALUE	:	0
LINEARITY LIMIT	:	400
BLANK LOWER LIMIT	:	1000
BLANK UPPER LIMIT	:	2000
BLANK ACCEPT LIMIT	:	5
LIMIT DOT1-DOT0	:	500

Analyzer: HYCEL Lisa

Application: **IRON CRX** - Code FE 0500 CH
Preparation: LIQUID REAGENT READY TO USE
Storage: ROOM TEMPERATURE (2-30°C)
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	IRON
SHORT NAME	:	IRON
UNIT	:	microg/l
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	620
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	20
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	158
LOWER NORMAL VALUE	:	59
LINEARITY LIMIT	:	500
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	800

Analyzer: HYCEL Lisa

Application: **IRON FZ** - Code FE F245 CH
 Preparation: REAGENT A - INSTALL AS "REAGENT 1"
 REAGENT B - INSTALL AS "REAGENT 2"
 Storage: REFRIGERATE AT 2-8°C
 Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	IRONFZ
SHORT NAME	:	IRON
UNIT	:	micro/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	560
STD=0 IN CURVE	:	YES
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	YES
NUMBER OF MEASUREMENTS	:	13
REAGENT 1 VOLUME	:	400
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	100
REAGENT 2 DILUENT	:	10
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	30
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	158
LOWER NORMAL VALUE	:	59
LINEARITY LIMIT	:	1000
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	500

Analyzer: HYCEL Lisa

Application: **LDH FL** - Codes LD F120 / F245 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 30 DAYS

PROGRAM

ANALYSIS NAME	:	LDH
SHORT NAME	:	LDH
UNIT	:	UL
MEASUREMENT TYPE	:	KINETIC
WAVELENGTH	:	340
EPSILON	:	-622
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	3
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	10
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	450
LOWER NORMAL VALUE	:	230
LINEARITY LIMIT	:	3000
BLANK LOWER LIMIT	:	1000
BLANK UPPER LIMIT	:	2000
BLANK ACCEPT LIMIT	:	20
LIMIT DOT1-DOT0	:	250

Analyzer: HYCEL Lisa

Application: **MAGNESIUM** - Code MG 0200 / 0500 CH
Preparation: MIX 1 PART OF REAGENT A WITH 1 PART OF REAGENT B
Storage: ROOM TEMPERATURE (2-30°C)
Stability: 30 DAYS

PROGRAM

ANALYSIS NAME	:	MAGNESIUM
SHORT NAME	:	MG
UNIT	:	mEq/l
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	500
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	6
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	2.1
LOWER NORMAL VALUE	:	1.3
LINEARITY LIMIT	:	10
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **PHOSPHORUS** - Code PH 0500 CH
Preparation: LIQUID READY TO USE SINGLE REAGENT
Storage: REFRIGERATE AT 2-8°C
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	PHOSPHORUS
SHORT NAME	:	PHOS
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	340
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	13
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	4.5
LOWER NORMAL VALUE	:	3.0
LINEARITY LIMIT	:	15
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **PROTEINS (TOTAL)** - Codes TP 0500 CH
Preparation: LIQUID READY TO USE SINGLE REAGENT
Storage: ROOM TEMPERATURE (2-30°C)
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	PROTEINS
SHORT NAME	:	TP
UNIT	:	g/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	560
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	8.4
LOWER NORMAL VALUE	:	6.3
LINEARITY LIMIT	:	12
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	500

Analyzer: HYCEL Lisa

Application: **PROTEINS HS** - Code HS 0500 CH
Preparation: LIQUID READY TO USE SINGLE REAGENT
Storage: ROOM TEMPERATURE (2-30°C)
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	PROTEINSHS
SHORT NAME	:	HS
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	600
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	3
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	141
LOWER NORMAL VALUE	:	28
LINEARITY LIMIT	:	500
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	500

Analyzer: HYCEL Lisa

Application: **TRIGLYCERIDES FL** - Codes TR F400 / 150F CH
Preparation: LIQUID READY TO USE SINGLE REAGENT
Storage: REFRIGERATE AT 2-8°C
Stability: UP TO DECLARED EXPIRATION ON REAGENT LABEL

PROGRAM

ANALYSIS NAME	:	TRIGLYCERIDES
SHORT NAME	:	TRIG
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	500
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	190
LOWER NORMAL VALUE	:	0
LINEARITY LIMIT	:	1000
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **UREA UV FL** - Codes AZ F245 / F400 / F600 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 60 DAYS

PROGRAM

ANALYSIS NAME	:	UREA
SHORT NAME	:	URE
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	340
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. -+	:	DEFINE
WAITING CYCLES	:	1
NUMBER OF MEASUREMENTS	:	5
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	5
DILUTION RATE	:	5
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	50
LOWER NORMAL VALUE	:	10
LINEARITY LIMIT	:	300
BLANK LOWER LIMIT	:	1000
BLANK UPPER LIMIT	:	2000

Analyzer: HYCEL Lisa

Application: **URIC ACID T FL** - Code AU F402 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 90 DAYS

PROGRAM

ANALYSIS NAME	:	URIC ACID
SHORT NAME	:	UA
UNIT	:	mg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	560
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	15
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	7.0
LOWER NORMAL VALUE	:	3.5
LINEARITY LIMIT	:	25
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700

Analyzer: HYCEL Lisa

Application: **ZINC** - Code ZN 0125 CH
Preparation: AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 14 DAYS

PROGRAM

ANALYSIS NAME	:	ZINK
SHORT NAME	:	ZN
UNIT	:	microg/dl
MEASUREMENT TYPE	:	PF STD
WAVELENGTH	:	600
STD=0 IN CURVE	:	NO
NUMBER OF STANDARDS	:	3
STD 1 POSITION	:	DEFINE
STD 1 VALUE	:	DEFINE
STD 2 POSITION	:	DEFINE
STD 2 VALUE	:	DEFINE
STD 3 POSITION	:	DEFINE
STD 3 VALUE	:	DEFINE
REPLIC. STD/CTRLS	:	3
CONTROL VALUE	:	DEFINE
CONTROL POSITION	:	DEFINE
LIM. ACCPT. CTRL. +-	:	DEFINE
WAITING CYCLES	:	0
TO READING	:	NO
NUMBER OF MEASUREMENTS	:	14
REAGENT 1 VOLUME	:	500
REAGENT 1 DILUENT	:	10
REAGENT 1 POSITION	:	DEFINE
REAGENT 2 VOLUME	:	0
REAGENT 2 DILUENT	:	0
REAGENT 2 POSITION	:	0
SAMPLE VOLUME	:	25
DILUTION RATE	:	3
WASH CYCLES	:	3
UPPER NORMAL VALUE	:	115
LOWER NORMAL VALUE	:	70
LINEARITY LIMIT	:	500
BLANK LOWER LIMIT	:	0
BLANK UPPER LIMIT	:	700