



Labmax 240 / Sapphire 400 instructions

rev 427.0.2 - 2010-08-01

Chema
D I A G N O S T I C A

Chema Diagnostica
Via Campania 2/4
I-60030 Monsano | An Italy
T +39 0731 605064 | F +39 0731 605672
www.chema.com | mail@chema.com

Labmax 240 / Sapphire 400 instructions

rev 427.0.2 - 2010-08-01

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.

Analyzer: Labmax 240 / Sapphire 400

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**

ITEM NAME	#	ACP
DATA INFORMATION		
UNITS	U/L	
DECIMALS	1	
ANALYSIS		
TYPE	RATE	
MAIN WAVELENGTH 1	405	
SUB WAVELENGTH 2	700	
METHOD	HILLMAN	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	0.0	9.0
	FEMALE	
	LOW	HIGH
	0.0	0.0
SERUM		
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	26	41	HIGH	2.500
SAMPLE	25					
REAGENT 1 VOL	250					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0	75		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **ACID PHOSPHATASE (NON PROSTATIC)** - Codes AC 0120 TC
 Preparation: POWDER SINGLE REAGENT. FOLLOW PREPARATION PROGRAM INDICATED IN INSERT SHEET. ADD THE RIGHT QUANTITY OF L-TARTRATE.
 Storage: REFRIGERATE AT 2-8°C
 Stability: 10 DAYS

ITEM NAME		#	ACP		
DATA INFORMATION					
UNITS		U/L			
DECIMALS		1			
ANALYSIS					
TYPE		RATE			
MAIN WAVELENGTH 1		405			
SUB WAVELENGTH 2		700			
METHOD		HILLMAN			
CORRELATION					
Y=		SLOPE	X+	INTER	
		1		0	
CALIBRATION					
TYPE		LINEAR			
STANDARD					
#1	USER DEFINED		#4		
#2	USER DEFINED		#5		
#3			#6		
NORMAL RANGE					
		MALE		FEMALE	
		LOW	HIGH	LOW	HIGH
SERUM		0.0	9.0	0.0	0.0
URINE					
PLASMA					
CSF					
DIALYSIS					
OTHER					

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	26	41	HIGH	2.500
SAMPLE	25					
REAGENT 1 VOL	250					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
OFF			ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
OFF OFF			OFF	
LOWER HIGHER			OFF	
SERUM	0	75		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400Application: **ALBUMIN** - Codes BC 0100/ 0500 / 1000 / 1500 CHPreparation: **LIQUID READY TO USE SINGLE REAGENT**Storage: **ROOM TEMPERATURE (2-30°C)**Stability: **UP TO DECLARED EXPIRATION ON REAGENT LABEL**

ITEM NAME	#	ALB		
DATA INFORMATION				
UNITS		g/dl		
DECIMALS		2		
ANALYSIS				
TYPE		END		
MAIN WAVELENGTH 1		600		
SUB WAVELENGTH 2		700		
METHOD		BCG		
CORRELATION				
Y=	SLOPE	X+		
	1	0		
CALIBRATION				
TYPE		LINEAR		
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	4.20	5.50	3.70	5.30
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	20	22	HIGH	1.000
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	1.00	6.00		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	ALP	
DATA INFORMATION			
UNITS	U/L		
DECIMALS	0		
ANALYSIS			
TYPE	RATE		
MAIN WAVELENGTH 1	405		
SUB WAVELENGTH 2	700		
METHOD	DGKC		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	0	270	0 240
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	37	41	HIGH	1.800
SAMPLE	4					
REAGENT 1 VOL	160					
REAGENT 2	40					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	10	3000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A
REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	ALP	
DATA INFORMATION			
UNITS	U/L		
DECIMALS	0		
ANALYSIS			
TYPE	RATE		
MAIN WAVELENGTH 1	405		
SUB WAVELENGTH 2	700		
METHOD	IFCC		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	35	104	40 129
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	37	41	HIGH	1.800
SAMPLE	4					
REAGENT 1 VOL	160					
REAGENT 2	40					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	10	3000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: **LIQUID READY TO USE SINGLE REAGENT**

Storage: **REFRIGERATE AT 2-8°C**

Stability: **UNTIL EXPIRATION DATE ON LABEL**

ITEM NAME	#	AMY		
DATA INFORMATION				
UNITS	U/L			
DECIMALS	0			
ANALYSIS				
TYPE	RATE			
MAIN WAVELENGTH 1	405			
SUB WAVELENGTH 2	700			
METHOD	CNP3			
CORRELATION				
Y=	SLOPE 1	X+ INTER 0		
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	0	96	0	96
URINE	0	480	0	480
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	22	28	HIGH	1.800
SAMPLE	5					
REAGENT 1 VOL	200					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	3	2000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	AMY		
DATA INFORMATION				
UNITS	U/L			
DECIMALS	0			
ANALYSIS				
TYPE	RATE			
MAIN WAVELENGTH 1	405			
SUB WAVELENGTH 2	700			
METHOD	IFCC			
CORRELATION				
Y=	SLOPE	X+	INTER	
	1		0	
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	28	100	28	100
URINE	0	460	0	460
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	38	50	HIGH	1.800
SAMPLE	6					
REAGENT 1 VOL	160					
REAGENT 2	40					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	3	2500		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400Application: **PANCREATIC ISOAMYLASE FL** - Code PA F080 / F245 CH

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	AMYP		
DATA INFORMATION				
UNITS		U/L		
DECIMALS		0		
ANALYSIS				
TYPE		RATE		
MAIN WAVELENGTH 1		405		
SUB WAVELENGTH 2		700		
METHOD		IFCC		
CORRELATION				
Y=	SLOPE 1	X+ INTER 0		
CALIBRATION				
TYPE		LINEAR		
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	13	53	13	53
URINE	0	350	0	350
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	38	50	HIGH	1.800
SAMPLE	4					
REAGENT 1 VOL	160					
REAGENT 2	40					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	3	2500		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **BICARBONATE FL** - Code BR F060 / F245 / F400 CH

Preparation: LIQUID REAGENT READY TO USE

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	CO2	
DATA INFORMATION			
UNITS	mEq/L		
DECIMALS	1		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	405		
SUB WAVELENGTH 2	700		
METHOD	PEPC		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	22	29	22 29
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	20	22	HIGH	1.000
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	5	50		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	BILIT	
DATA INFORMATION			
UNITS	mg/dl		
DECIMALS	1		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	505		
SUB WAVELENGTH 2	700		
METHOD	DCA		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	0.20	1.00	0.20 1.00
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	53	54	HIGH	3.000
SAMPLE	12	SUB	30	31		
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0	20		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	BILID	
DATA INFORMATION			
UNITS	mg/dl		
DECIMALS	1		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	546		
SUB WAVELENGTH 2	700		
METHOD	DCA		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	0.00	0.20	0.00 0.20
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	53	54	HIGH	3.000
SAMPLE	12	SUB	30	31		
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0	13		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **CALCIUM** - Code CA 0305 / 0505 CH

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	CA		
DATA INFORMATION				
UNITS	mg/dl			
DECIMALS	2			
ANALYSIS				
TYPE	END			
MAIN WAVELENGTH 1	570			
SUB WAVELENGTH 2	700			
METHOD	OCP			
CORRELATION				
Y=	SLOPE 1	X+ INTER 0		
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	8.60	10.30	8.60	10.30
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	40	42	HIGH	3.000
SAMPLE	5					
REAGENT 1 VOL	150					
REAGENT 2	150					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0	20		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **CALCIUM ASX** - Code CA 0100 / 0500 CH

Preparation: LIQUID REAGENT READY TO USE

Storage: ROOM TEMPERATURE (2-30°C)

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	CA
DATA INFORMATION		
UNITS	mg/dl	
DECIMALS	2	
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	660	
SUB WAVELENGTH 2		
METHOD	ARSENAZO	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	FEMALE	
	LOW	HIGH
SERUM	8.60	10.30
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	40	42	HIGH	3.000
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0	20		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **CHLORIDE** - Code CL 0100 / 0500 CH
 Preparation: LIQUID READY TO USE SINGLE REAGENT
 Storage: ROOM TEMPERATURE (2-30°C)
 Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	CL
DATA INFORMATION		
UNITS	mEq/L	
DECIMALS		
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	505	
SUB WAVELENGTH 2	700	
METHOD	THIOCYANATE	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	FEMALE	
	LOW	HIGH
SERUM	98	110
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	50	51	HIGH	3.000
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0	150		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: **LIQUID READY TO USE SINGLE REAGENT**

Storage: **REFRIGERATE AT 2-8°C**

Stability: **UNTIL EXPIRATION DATE ON LABEL**

ITEM NAME	#	CHOL
DATA INFORMATION		
UNITS	mg/dl	
DECIMALS	0	
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	505	
SUB WAVELENGTH 2	700	
METHOD	CHOD-PAP	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	140	200
	FEMALE	
	LOW	HIGH
	140	200
SERUM		
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	33	34	HIGH	1.500
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	50	700		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	HDL-C	
DATA INFORMATION			
UNITS	mg/dl		
DECIMALS	1		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	600		
SUB WAVELENGTH 2	700		
METHOD	IMMUNO-INHIBITION		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	35.3	79.5	42.0 88.0
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	53	54	HIGH	1.000
SAMPLE	3	SUB	30	31		
REAGENT 1 VOL	225					
REAGENT 2	75					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.020	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	5	220		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **LDL-DIRECT FL** - Code DL F080 CH

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	LDL-C	
DATA INFORMATION			
UNITS	mg/dl		
DECIMALS	1		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	600		
SUB WAVELENGTH 2	700		
METHOD	IMMUNO-INHIBITION		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	76	218	76 218
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	53	54	HIGH	1.000
SAMPLE	3	SUB	30	31		
REAGENT 1 VOL	225					
REAGENT 2	75					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.020	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	10	400		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	CHE
DATA INFORMATION		
UNITS	U/L	
DECIMALS	0	
ANALYSIS		
TYPE	RATE	
MAIN WAVELENGTH 1	405	
SUB WAVELENGTH 2	700	
METHOD	DGKC	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	FEMALE	
	LOW	HIGH
SERUM	5600	11200
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	1.000
	VOLUME	MAIN	36	42	HIGH	3.000
SAMPLE	5					
REAGENT 1 VOL	250					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	1000	25000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	CK		
DATA INFORMATION				
UNITS	U/L			
DECIMALS	0			
ANALYSIS				
TYPE	RATE			
MAIN WAVELENGTH 1	340			
SUB WAVELENGTH 2	700			
METHOD	IFCC-DGKC			
CORRELATION				
Y=	SLOPE 1	X+ INTER 0		
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	24	204	24	173
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	38	48	HIGH	2.500
SAMPLE	10					
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	3	2000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **CK-MB FL** - Code MB F060 / F120 CH

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	CKMB
DATA INFORMATION		
UNITS	U/L	
DECIMALS	1	
ANALYSIS		
TYPE	RATE	
MAIN WAVELENGTH 1	340	
SUB WAVELENGTH 2	700	
METHOD	IFCC-DGKC	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	0	24
	FEMALE	
	LOW	HIGH
	0	24
SERUM		
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	40	54	HIGH	2.500
SAMPLE	10					
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0	2000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **COPPER** - Code CU 0100 CH
 Preparation: AS INDICATED IN INSERT SHEET
 Storage: KEEP AT ROOM TEMP (MANDATORY!)
 Stability: 14 DAYS

PROGRAM

ITEM NAME	#	CU
DATA INFORMATION		
UNITS	UG/DL	
DECIMALS	0	
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	570	
SUB WAVELENGTH 2	700	
METHOD	DI-BR-PAESA	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	70	140
	FEMALE	
	LOW	HIGH
	80	155
SERUM		
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	50	51	HIGH	1.800
SAMPLE	20					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	5	500		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	CREA		
DATA INFORMATION				
UNITS	mg/dl			
DECIMALS	2			
ANALYSIS				
TYPE	RATE			
MAIN WAVELENGTH 1	505			
SUB WAVELENGTH 2	700			
METHOD	JAFFE			
CORRELATION				
Y=	SLOPE 1	X+ INTER -0.25		
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	0.70	1.20	0.60	1.10
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	36	48	HIGH	3.000
SAMPLE	20					
REAGENT 1 VOL	150					
REAGENT 2	150					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0.2	15		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	GGT
DATA INFORMATION		
UNITS	U/L	
DECIMALS	0	
ANALYSIS		
TYPE	RATE	
MAIN WAVELENGTH 1	405	
SUB WAVELENGTH 2	700	
METHOD	SZASZ	
CORRELATION		
Y=	SLOPE 1	X+ INTER 0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	0	50
	FEMALE	
	LOW	HIGH
	0	30
SERUM		
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	37	41	HIGH	1.800
SAMPLE	25					
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	3	800		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: **LIQUID READY TO USE SINGLE REAGENT**

Storage: **REFRIGERATE AT 2-8°C**

Stability: **UNTIL EXPIRATION DATE ON LABEL**

ITEM NAME	#	GLUC	
DATA INFORMATION			
UNITS	mg/dl		
DECIMALS	0		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	505		
SUB WAVELENGTH 2	700		
METHOD	GOD-PAP		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	70	105	70 105
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	49	50	HIGH	2.500
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	40	500		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **GLUCOSE UV FL - Code GL F601 CH**

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	GLUC	
DATA INFORMATION			
UNITS	mg/dl		
DECIMALS	0		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	340		
SUB WAVELENGTH 2	700		
METHOD	UV		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	70	105	70 105
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	49	50	HIGH	2.500
SAMPLE	3	SUB	30	31		
REAGENT 1 VOL	240					
REAGENT 2	60					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	40	700		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	GOT		
DATA INFORMATION				
UNITS	U/L			
DECIMALS	0			
ANALYSIS				
TYPE	RATE			
MAIN WAVELENGTH 1	340			
SUB WAVELENGTH 2	700			
METHOD	IFCC			
CORRELATION				
Y=	SLOPE	X+	INTER	
	1		0	
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	0	35	0	31
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	1.100
	VOLUME	MAIN	37	45	HIGH	2.500
SAMPLE	25					
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	2	440		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	GPT	
DATA INFORMATION			
UNITS	U/L		
DECIMALS	0		
ANALYSIS			
TYPE	RATE		
MAIN WAVELENGTH 1	340		
SUB WAVELENGTH 2	700		
METHOD	IFCC		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	0	45	0 34
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	1.100
	VOLUME	MAIN	37	45	HIGH	2.500
SAMPLE	25					
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	2	440		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **IRON FZ - Code FE F245 / F400 CH**

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B (READ PREPARATION IN MANUAL INSERT SHEET)

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	IRON	
DATA INFORMATION			
UNITS	ug/dl		
DECIMALS	0		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	570		
SUB WAVELENGTH 2			
METHOD	FERROZINE		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	59	158	37 145
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	53	54	HIGH	3.000
SAMPLE	30	SUB	30	31		
REAGENT 1 VOL	160					
REAGENT 2	40					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	20	1000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	LDH-P	
DATA INFORMATION			
UNITS	U/L		
DECIMALS	0		
ANALYSIS			
TYPE	RATE		
MAIN WAVELENGTH 1	340		
SUB WAVELENGTH 2	700		
METHOD	DGKC		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	225	450	225 450
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	1.100
	VOLUME	MAIN	37	45	HIGH	2.500
SAMPLE	5					
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	100	2000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **LIPASE FL** - Code LP F060 CH
 Preparation: REAGENT # 1 - USE REAGENT A
 REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C
 Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	LIP	
DATA INFORMATION			
UNITS	U/L		
DECIMALS	0		
ANALYSIS			
TYPE	RATE		
MAIN WAVELENGTH 1	570		
SUB WAVELENGTH 2	700		
METHOD	COLOUR		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	0	60	0 60
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	37	45	HIGH	1.800
SAMPLE	4					
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		40
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	2	800		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **MAGNESIUM** - Code MG 0200 / 0500 CH

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	MG
DATA INFORMATION		
UNITS	mEq/L	
DECIMALS	2	
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	505	
SUB WAVELENGTH 2	700	
METHOD	CALMAGITE	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	1.30	2.10
	FEMALE	
	LOW	HIGH
SERUM	1.30	2.10
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	40	41	HIGH	3.000
SAMPLE	3					
REAGENT 1 VOL	150					
REAGENT 2	150					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0.20	8.00		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **MAGNESIUM XL** - Code MX 0300 / 0500 CH

Preparation: LIQUID REAGENT READY TO USE

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	MG		
DATA INFORMATION				
UNITS	mEq/L			
DECIMALS	2			
ANALYSIS				
TYPE	END			
MAIN WAVELENGTH 1	546			
SUB WAVELENGTH 2	700			
METHOD	XYLYDYL BLUE			
CORRELATION				
Y=	SLOPE 1	X+ INTER 0		
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	1.30	2.10	1.30	2.10
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	40	41	HIGH	3.000
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0.20	6.00		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **PHOSPHORUS** - Code PH 0100 / 0500 CH

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	PHOS
DATA INFORMATION		
UNITS	mg/dl	
DECIMALS	1	
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	340	
SUB WAVELENGTH 2	700	
METHOD	MOLYBDATE UV	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	2.50	4.50
	FEMALE	
	LOW	HIGH
	2.50	4.50
SERUM		
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	50	51	HIGH	3.000
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	0.5	20.0		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: ROOM TEMPERATURE (2-30°C)

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	TP		
DATA INFORMATION				
UNITS	g/dl			
DECIMALS	2			
ANALYSIS				
TYPE	END			
MAIN WAVELENGTH 1	546			
SUB WAVELENGTH 2	700			
METHOD	BIURET			
CORRELATION				
Y=	SLOPE 1	X+ INTER 0		
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	6.30	8.30	6.00	7.80
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	53	54	HIGH	2.000
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	1.00	12.00		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **PROTEINS HS** - Code HS 0100 / 0500 CH

Preparation: LIQUID READY TO USE SINGLE REAGENT

Storage: ROOM TEMPERATURE (2-30°C)

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	HS
DATA INFORMATION		
UNITS	mg/dl	
DECIMALS	0	
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	570	
SUB WAVELENGTH 2	700	
METHOD	PYROGALLOL RED	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	FEMALE	
	LOW	HIGH
SERUM		
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	53	54	HIGH	2.000
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	2	500		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: **LIQUID READY TO USE SINGLE REAGENT**

Storage: **REFRIGERATE AT 2-8°C**

Stability: **UNTIL EXPIRATION DATE ON LABEL**

ITEM NAME	#	TRIG		
DATA INFORMATION				
UNITS	mg/dl			
DECIMALS	0			
ANALYSIS				
TYPE	END			
MAIN WAVELENGTH 1	505			
SUB WAVELENGTH 2	700			
METHOD	GPO-PAP			
CORRELATION				
Y=	SLOPE 1	X+ INTER 0		
CALIBRATION				
TYPE	LINEAR			
STANDARD				
#1	USER DEFINED	#4		
#2	USER DEFINED	#5		
#3		#6		
NORMAL RANGE				
	MALE		FEMALE	
	LOW	HIGH	LOW	HIGH
SERUM	0	200	0	200
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	40	41	HIGH	1.500
SAMPLE	3					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	20	1000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	UREA	
DATA INFORMATION			
UNITS	mg/dl		
DECIMALS	0		
ANALYSIS			
TYPE	RATE		
MAIN WAVELENGTH 1	340		
SUB WAVELENGTH 2	700		
METHOD	UREASE UV		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	140	200	140 200
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	1.100
	VOLUME	MAIN	34	38	HIGH	2.500
SAMPLE	3					
REAGENT 1 VOL	240					
REAGENT 2	60					
THIRD MIX	OFF	FACTOR		END POINT LIMIT		
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		90
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
AUTO RETURN RANGE			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	5	300		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **URIC ACID T FL - Code AU F402 CH**

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	UA
DATA INFORMATION		
UNITS	mg/dl	
DECIMALS	2	
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	546	
SUB WAVELENGTH 2	700	
METHOD	URICASE-PAP	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	LOW	HIGH
	3.50	7.20
	FEMALE	
	LOW	HIGH
	2.60	6.00
SERUM		
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	52	54	HIGH	1.500
SAMPLE	12	SUB	30	31		
REAGENT 1 VOL	270					
REAGENT 2	30					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
			PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	1.00	20.00		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

Application: **URIC ACID AOX FL** - Code AX F100 / F250 / F600 CH

Preparation: REAGENT # 1 - USE REAGENT A

REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

ITEM NAME	#	UA
DATA INFORMATION		
UNITS	mg/dl	
DECIMALS	2	
ANALYSIS		
TYPE	END	
MAIN WAVELENGTH 1	546	
SUB WAVELENGTH 2	700	
METHOD	URICASE-PAP	
CORRELATION		
Y=	SLOPE	X+
	1	0
CALIBRATION		
TYPE	LINEAR	
STANDARD		
#1	USER DEFINED	#4
#2	USER DEFINED	#5
#3		#6
NORMAL RANGE		
	MALE	
	FEMALE	
	LOW	HIGH
SERUM	3.50	7.20
URINE		
PLASMA		
CSF		
DIALYSIS		
OTHER		

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	DOUBLE		START	END	LOW	-0.010
	VOLUME	MAIN	52	54	HIGH	1.500
SAMPLE	12	SUB	30	31		
REAGENT 1 VOL	200					
REAGENT 2	50					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		
MONITOR		PROZONE CHECK				
O LEVEL POINT	1		START	END	LIMIT(%)	
SPAN	3	FIRST				
		SECOND				LOW
		THIRD				LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	1.00	20.00		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				

Analyzer: Labmax 240 / Sapphire 400

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

ITEM NAME	#	ZN	
DATA INFORMATION			
UNITS	ug/dl		
DECIMALS	0		
ANALYSIS			
TYPE	END		
MAIN WAVELENGTH 1	570		
SUB WAVELENGTH 2	700		
METHOD	NITRO-PAPS		
CORRELATION			
Y=	SLOPE	X+	INTER
	1		0
CALIBRATION			
TYPE	LINEAR		
STANDARD			
#1	USER DEFINED	#4	
#2	USER DEFINED	#5	
#3		#6	
NORMAL RANGE			
	MALE		FEMALE
	LOW	HIGH	LOW HIGH
SERUM	70	150	70 150
URINE			
PLASMA			
CSF			
DIALYSIS			
OTHER			

ASPIRATION		DATA PROCESS READ			ABSORBANCE LIMIT	
KIND	SINGLE		START	END	LOW	-0.010
	VOLUME	MAIN	52	53	HIGH	1.500
SAMPLE	15					
REAGENT 1 VOL	300					
REAGENT 2	0					
THIRD MIX	OFF	FACTOR		END POINT LIMIT	0.010	
R1 BLANK	WATER BLANK	BLANK CORRECTION	1	LINEAR CHECK(%)		

MONITOR		PROZONE CHECK			
O LEVEL POINT	1		START	END	LIMIT(%)
SPAN	3	FIRST			
		SECOND			LOW
		THIRD			LOW

AUTO RETURN SW			AUTO RETURN CONDITION (ABSORBANCE)	
	OFF		ABSORBANCE RANGE	
			LOWER	OFF
			HIGHER	OFF
	AUTO RETURN RANGE		PROZONE RANGE	
	OFF	OFF	OFF	
	LOWER	HIGHER		
SERUM	20	1000		
URINE				
PLASMA				
CSF				
DIALYSIS				
OTHER				