



Biotecnica BT 2000/3000 plus instructions

rev 423.0.2 - 2010-08-01

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

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Biotechnica BT 2000/3000 plus instructions

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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: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	HILLMAN	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	405/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		1.00
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	300	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	300	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	1		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	300	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:

- SERUM -

NAME	:	ACP TOTAL
SAMPLE	(μ l) :	30
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	75
INITIAL ABS (mABS)	:	1000
FINAL ABS (mABS)	:	2000
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	0.00 / 9.00
FEMALE:	:	0.00 / 0.00
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	HILLMAN	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	405/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		1.00
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	300	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	300	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	1		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	300	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	ACP TOTAL
SAMPLE (μ l)	:	30
PRE-DILUTION	:	1.00

DILUTION:	
FACTOR	:
TEST LIMIT (CONC)	:
INITIAL ABS (mABS)	:
FINAL ABS (mABS)	:
MAX ABS DELTA (mABS)	:
CHECK PROZONE	:
INSTRUMENTAL FACTOR	:
SHIFT	:
RE-RUN HYPERACTIVE	:
RE-RUN PATHOLOGICAL	:

NORMAL RANGE:	
MALE:	:
FEMALE:	:
CHILD	:

Analyzer: Biotecnica BT 2000/3000 plus

Application: **ALBUMIN** - Codes 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

TEST METHODOLOGY	:	BCG	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	630/NO	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	450		1.00
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	180	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	g/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:		SHIFT	:
NUMBER OF NEEDLE WASHES	:	2	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	1000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME : ALBUMIN
 SAMPLE (μ l) : 3
 PRE-DILUTION : 1.00

DILUTION:
 FACTOR : 2.00
 TEST LIMIT (CONC) : 6
 MAX ABS DELTA (mABS) : 2000
 CHECK PROZONE : INACTIVE
 INSTRUMENTAL FACTOR : 0.000
 SHIFT : 0.000
 RE-RUN HYPERACTIVE : ACTIVE
 RE-RUN PATHOLOGICAL : INACTIVE

NORMAL RANGE:
 MALE: : 4.20 / 5.50
 FEMALE: : 3.70 / 5.30
 CHILD : 0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	DGKC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	405/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	320		1.00
REAGENT #2	:	80	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	30/90	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	90	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	1/1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	1		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	ALP DGKC
SAMPLE (μ l)	:	8
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	3000
INITIAL ABS (mABS)	:	1500
FINAL ABS (mABS)	:	2500
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	0 / 270
FEMALE:	:	0 / 240
CHILD	:	0 / 0

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	IFCC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	405/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	320		1.00
REAGENT #2	:	80	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	30/90	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	90	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	1/1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	1		INACTIVE
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	ALP IFCC
SAMPLE (μ l)	:	8
PRE-DILUTION	:	1.00

DILUTION:

FACTOR	:	2.00
TEST LIMIT (CONC)	:	3000
INITIAL ABS (mABS)	:	1500
FINAL ABS (mABS)	:	2500
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:

MALE:	:	35 / 104
FEMALE:	:	40 / 129
CHILD	:	0 / 0

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	CNPG3	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	405/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	320		
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	90	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	120	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:	UI/L	RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	1		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:

- SERUM -

NAME	:	AMYLASE
SAMPLE	(μ l) :	8
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	5.00
TEST LIMIT (CONC)	:	3000
INITIAL ABS (mABS)	:	1500
FINAL ABS (mABS)	:	2500
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	0 / 96
FEMALE:	:	0 / 96
CHILD	:	0 / 96

Analyzer: Biotecnica BT 2000/3000 plusApplication: **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

TEST METHODOLOGY	:	IFCC	- URINE -			
METHOD	:	KINETIC				
KIND OF PROCESS	:	LINEAR	NAME	:	AMYLASE EPS	
FILTERS	:	405/700	SAMPLE	(μ l)	:	12
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:	5.00	
REAGENT #1	:	320				
REAGENT #2	:	80	DILUTION			
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:	1.00	
INCUBATION TIME (SEC)	:	30/120	TEST LIMIT (CONC)	:	1500	
DELAY TIME (SEC)	:	0	CHECK PROZONE	:	INACTIVE	
READING TIME (SEC)	:	120	INSTRUMENTAL FACTOR	:	0.000	
UNIT SERUM	:	UI/L	SHIFT	:	0.000	
UNIT URINE	:	UI/L	RE-RUN HYPERACTIVE	:	ACTIVE	
NUMBER OF NEEDLE WASHES	:	1/2	RE-RUN PATHOLOGICAL	:	INACTIVE	
NUMBER OF CUVETTE WASHES	:	1				
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:			
REAGENT BLANK	:	EVERY RUN	MALE:	:	0 / 460	
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:	0 / 460	
CURVE ACCEPTANCE (%)	:	100	CHILD	:	0 / 460	

- SERUM -

NAME	:	AMYLASE EPS
SAMPLE (μ l)	:	12
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	5.00
TEST LIMIT (CONC)	:	1500
INITIAL ABS (mABS)	:	1500
FINAL ABS (mABS)	:	2500
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	28 / 100
FEMALE:	:	28 / 100
CHILD	:	28 / 100

Analyzer: Biotecnica BT 2000/3000 plus

Application: **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

TEST METHODOLOGY	:	IFCC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	405/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	320		
REAGENT #2	:	80	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	300/120	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	180	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:	UI/L	RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	1/2	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	1		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:

- SERUM -

NAME	:	ISOAMYLASE
SAMPLE (μ l)	:	8
PRE-DILUTION	:	1.00

DILUTION:

FACTOR	:	2.00
TEST LIMIT (CONC)	:	2500
INITIAL ABS (mABS)	:	1500
FINAL ABS (mABS)	:	2500
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:

MALE:	:	13 / 53
FEMALE:	:	13 / 53
CHILD	:	13 / 53

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	PEPC	- URINE -
METHOD	:	END POINT	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	405 / 700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	300	
REAGENT #2	:	0	DILUTION
SAMPLE STARTER	:	(INACTIVE)	FACTOR :
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC) :
INCUBATION TIME (SEC)	:	180	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	mEq/l	INSTRUMENTAL FACTOR :
UNIT URINE	:		SHIFT :
NUMBER OF NEEDLE WASHES	:	2	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	1000	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME	:	BICARBONATE
SAMPLE (µl)	:	3
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	50
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	22 / 29
FEMALE:	:	22 / 29
CHILD	:	20 / 28

Analyzer: Biotecnica BT 2000/3000 plusApplication: **TOTAL BILIRUBIN FL** - Code DT F125 / F500 CHPreparation: REAGENT # 1 - USE REAGENT A
REAGENT # 2 - USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: UNTIL EXPIRATION DATE ON LABEL

TEST METHODOLOGY	:	DCA	- URINE -	
METHOD	:	SAMPLE BLANK A		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	510 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	320		1.00
REAGENT #2	:	80	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	180/300	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:		SHIFT	:
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	BILIRUBIN TOTAL
SAMPLE (μ l)	:	20
PRE-DILUTION	:	1.00

DILUTION:

FACTOR	:	5.00
TEST LIMIT (CONC)	:	20
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:

MALE:	:	0.20 / 1.00
FEMALE:	:	0.20 / 1.00
CHILD	:	0.20 / 1.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	DCA	- URINE -	
METHOD	:	SAMPLE BLANK A		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	546 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	320		1.00
REAGENT #2	:	80	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	180/300	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:		SHIFT	:
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	BILIRUBIN DIRECT
SAMPLE (μ l)	:	20
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	13
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	0.00 / 0.20
FEMALE:	:	0.00 / 0.20
CHILD	:	0.00 / 0.20

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	OCP	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	578 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	200		
REAGENT #2	:	200	DILUTION	
SAMPLE STARTER	:	(ACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	240	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	0/120	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:	mg/dl	SHIFT	:
NUMBER OF NEEDLE WASHES	:	1/2	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	CALCIUM
SAMPLE	(μ l) :	7
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	20
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	8.60 / 10.30
FEMALE:	:	8.60 / 10.30
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	ARSENAZO	- URINE -		
METHOD	:	END POINT			
KIND OF PROCESS	:	LINEAR	NAME	:	CALCIUM
FILTERS	:	630 / NO	SAMPLE	(μ l) :	3
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:	2.00
REAGENT #1	:	300			
REAGENT #2	:	0	DILUTION		
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:	1.00
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:	20
INCUBATION TIME (SEC)	:	300	CHECK PROZONE	:	INACTIVE
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:	2000
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR	:	0.000
UNIT URINE	:	mg/dl	SHIFT	:	0.000
NUMBER OF NEEDLE WASHES	:	1	RE-RUN HYPERACTIVE	:	ACTIVE
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL	:	INACTIVE
DYNAMIC BLANK	:	INACTIVE			
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:		
REAGENT LIMIT (mABS)	:	2000	MALE:	:	0.00 / 0.00
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:	0.00 / 0.00
			CHILD	:	0.00 / 0.00

- SERUM -

NAME	:	CALCIUM
SAMPLE (μ l)	:	3
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	20
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	8.6 / 10.3
FEMALE:	:	8.6 / 10.3
CHILD	:	0 / 0

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	THIOCYANATE	- URINE -
METHOD	:	END POINT	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	480 / 700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	400	
REAGENT #2	:	0	DILUTION
SAMPLE STARTER	:	(INACTIVE)	FACTOR :
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC) :
INCUBATION TIME (SEC)	:	300	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	mEq/l	INSTRUMENTAL FACTOR :
UNIT URINE	:	mEq/l	SHIFT :
NUMBER OF NEEDLE WASHES	:	2	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	1500	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME	:	CHLORIDE
SAMPLE (µl)	:	2
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	200
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	98 / 110
FEMALE:	:	98 / 110
CHILD	:	98 / 110

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	CHOD-PAP	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	510 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		1.00
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	300	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:		SHIFT	:
NUMBER OF NEEDLE WASHES	:	1	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	CHOLESTEROL
SAMPLE (μ l)	:	3
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	700
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	140 / 200
FEMALE:	:	140 / 200
CHILD	:	140 /200

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	SEL INHIBITION	- URINE -
METHOD	:	SAMPLE BLANK A	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	578 / 700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	300	
REAGENT #2	:	100	DILUTION
SAMPLE STARTER	:	(INACTIVE)	FACTOR :
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC) :
INCUBATION TIME (SEC)	:	300/300	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR :
UNIT URINE	:		SHIFT :
NUMBER OF NEEDLE WASHES	:	1/1	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	2000	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME	:	HDL-C
SAMPLE (µl)	:	4
PRE-DILUTION	:	1.00

DILUTION:

FACTOR	:	2.00
TEST LIMIT (CONC)	:	220
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:

MALE:	:	35.30 / 79.50
FEMALE:	:	42.00 / 88.00
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plusApplication: **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

TEST METHODOLOGY	:	SEL INHIBITION	- URINE -	
METHOD	:	SAMPLE BLANK A		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	578 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		1.00
REAGENT #2	:	100	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	1.00
INCUBATION TIME (SEC)	:	300/300	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	INACTIVE
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:		SHIFT	0.000
NUMBER OF NEEDLE WASHES	:	1/1	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL	ACTIVE
DYNAMIC BLANK	:	INACTIVE		INACTIVE
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	0.00 / 0.00
			CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	LDL-C
SAMPLE	(μ l) :	4
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	400
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	76 / 218
FEMALE:	:	76 / 218
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	DGKC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	405/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	DECREASE	PRE-DILUTION	:
REAGENT #1	:	250		1.00
REAGENT #2	:	50	DILUTION	
SAMPLE STARTER	:	(ACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	90	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0/90	CHECK PROZONE	:
READING TIME (SEC)	:	90	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	2		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	800	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	CHE
SAMPLE (μ l)	:	5
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	440
INITIAL ABS (mABS)	:	2500
FINAL ABS (mABS)	:	500
MAX ABS DELTA (mABS)	:	400
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	5600 / 11200
FEMALE:	:	4200 / 10800
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	IFCC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	340/700	SAMPLE	(µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		1.00
REAGENT #2	:	75	DILUTION:	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	30/120	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	150	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	2		INACTIVE
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	CK-NAC
SAMPLE (µl)	:	15
PRE-DILUTION	:	1.00

DILUTION:	
FACTOR	:
TEST LIMIT (CONC)	:
INITIAL ABS (mABS)	:
FINAL ABS (mABS)	:
MAX ABS DELTA (mABS)	:
CHECK PROZONE	:
INSTRUMENTAL FACTOR	:
SHIFT	:
RE-RUN HYPERACTIVE	:
RE-RUN PATHOLOGICAL	:

NORMAL RANGE:	
MALE:	:
FEMALE:	:
CHILD	:

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	IFCC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	340/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		1.00
REAGENT #2	:	75	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	300/120	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	300	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	2		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	CK-MB
SAMPLE (μ l)	:	15
PRE-DILUTION	:	1.00
DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	2000
INITIAL ABS (mABS)	:	1200
FINAL ABS (mABS)	:	2500
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE
NORMAL RANGE:		
MALE:	:	0 / 24
FEMALE:	:	0 / 24
CHILD	:	0 / 0

Analyzer: Biotecnica BT 2000/3000 plus

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

PROGRAM

TEST METHODOLOGY	:	DI-BR-P	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	: COPPER
FILTERS	:	578 / 700	SAMPLE	(μ l) : 50
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	: 1.00
REAGENT #1	:	300		
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	: 1.00
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	: 500
INCUBATION TIME (SEC)	:	300	CHECK PROZONE	: INACTIVE
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	: 2000
UNIT SERUM	:	ug/dl	INSTRUMENTAL FACTOR	: 0.000
UNIT URINE	:	ug/dl	SHIFT	: 0.000
NUMBER OF NEEDLE WASHES	:	1	RE-RUN HYPERACTIVE	: ACTIVE
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL	: INACTIVE
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	: 0.00 / 0.00
CURVE ACCEPTANCE (%)	:	100	FEMALE:	: 0.00 / 0.00
			CHILD	: 0.00 / 0.00

- SERUM -

NAME	:	COPPER
SAMPLE (μ l)	:	20
PRE-DILUTION	:	1.00

DILUTION:

FACTOR	:	2.00
TEST LIMIT (CONC)	:	500
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:

MALE:	:	70 / 140
FEMALE:	:	80 / 155
CHILD	:	80 / 190

Analyzer: Biotecnica BT 2000/3000 plusApplication: **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

TEST METHODOLOGY	:	JAFFE	- URINE -			
METHOD	:	KINETIC				
KIND OF PROCESS	:	LINEAR	NAME	:	CREATININE	
FILTERS	:	510/700	SAMPLE	(μ l)	:	25
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:	50.00	
REAGENT #1	:	200				
REAGENT #2	:	200	DILUTION			
SAMPLE STARTER	:	(ACTIVE)	FACTOR	:	1.00	
INCUBATION TIME (SEC)	:	60	TEST LIMIT (CONC)	:	20	
DELAY TIME (SEC)	:	0/90	CHECK PROZONE	:	INACTIVE	
READING TIME (SEC)	:	60	INSTRUMENTAL FACTOR	:	0.000	
UNIT SERUM	:	mg/dl	SHIFT	:	0.000	
UNIT URINE	:	mg/dl	RE-RUN HYPERACTIVE	:	ACTIVE	
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN PATHOLOGICAL	:	INACTIVE	
NUMBER OF CUVETTE WASHES	:	2				
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:			
REAGENT BLANK	:	EVERY RUN	MALE:	:	0.00 / 0.00	
REAGENT LIMIT (mABS)	:	2000	FEMALE:	:	0.00 / 0.00	
CURVE ACCEPTANCE (%)	:	100	CHILD	:	0.00 / 0.00	

- SERUM -

NAME	:	CREATININE
SAMPLE (μ l)	:	25
PRE-DILUTION	:	1.00

DILUTION:

FACTOR	:	5.00
TEST LIMIT (CONC)	:	20
INITIAL ABS (mABS)	:	1500
FINAL ABS (mABS)	:	2500
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:

MALE:	:	0.70 / 1.20
FEMALE:	:	0.60 / 1.10
CHILD	:	0 / 0

Analyzer: Biotecnica BT 2000/3000 plusApplication: **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

TEST METHODOLOGY	:	SZASZ	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	405/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	240		1.00
REAGENT #2	:	60	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	30/90	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	120	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	1/1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	1		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	GAMMA-GT
SAMPLE (μ l)	:	30
PRE-DILUTION	:	1.00

DILUTION:	
FACTOR	:
TEST LIMIT (CONC)	:
INITIAL ABS (mABS)	:
FINAL ABS (mABS)	:
MAX ABS DELTA (mABS)	:
CHECK PROZONE	:
INSTRUMENTAL FACTOR	:
SHIFT	:
RE-RUN HYPERACTIVE	:
RE-RUN PATHOLOGICAL	:

NORMAL RANGE:	
MALE:	:
FEMALE:	:
CHILD	:

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	GOD-PAP	- URINE -
METHOD	:	END POINT	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	510 / 700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	300	
REAGENT #2	:	0	DILUTION
SAMPLE STARTER	:	(INACTIVE)	FACTOR :
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC) :
INCUBATION TIME (SEC)	:	300	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR :
UNIT URINE	:	mg/dl	SHIFT :
NUMBER OF NEEDLE WASHES	:	2	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	2000	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME	:	GLUCOSE
SAMPLE (µl)	:	3
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	500
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	70 / 105
FEMALE:	:	70 / 105
CHILD	:	70 / 105

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	GOD-PAP	- URINE -
METHOD	:	END POINT	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	340 / 700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	320	
REAGENT #2	:	80	DILUTION
SAMPLE STARTER	:	(ACTIVE)	FACTOR :
DELAY TIME (SEC)	:	300	TEST LIMIT (CONC) :
INCUBATION TIME (SEC)	:	0/120	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR :
UNIT URINE	:	mg/dl	SHIFT :
NUMBER OF NEEDLE WASHES	:	1/1	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	2000	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME	:	GLUCOSE
SAMPLE (µl)	:	4
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	700
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	70 / 105
FEMALE:	:	70 / 105
CHILD	:	70 / 105

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	IFCC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	340/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	DECREASE	PRE-DILUTION	:
REAGENT #1	:	240		1.00
REAGENT #2	:	60	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	60/120	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	120	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	2/1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	2		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	800	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	GOT/AST
SAMPLE (μ l)	:	30
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	440
INITIAL ABS (mABS)	:	2500
FINAL ABS (mABS)	:	500
MAX ABS DELTA (mABS)	:	400
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	0 / 35
FEMALE:	:	0 / 31
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	IFCC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	340/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	DECREASE	PRE-DILUTION	:
REAGENT #1	:	240		1.00
REAGENT #2	:	60	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	60/120	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	120	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	2/1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	2		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	800	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	GPT/ALT
SAMPLE (μ l)	:	30
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	440
INITIAL ABS (mABS)	:	2500
FINAL ABS (mABS)	:	500
MAX ABS DELTA (mABS)	:	400
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	0 / 45
FEMALE:	:	0 / 34
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	FERROZINE	- URINE -
METHOD	:	SAMPLE BLANK A	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	578 / 700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	300	
REAGENT #2	:	75	DILUTION
SAMPLE STARTER	:	(INACTIVE)	FACTOR :
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC) :
INCUBATION TIME (SEC)	:	300/300	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	ug/dl	INSTRUMENTAL FACTOR :
UNIT URINE	:		SHIFT :
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	2000	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME : IRON
 SAMPLE (µl) : 75
 PRE-DILUTION : 1.00

DILUTION:
 FACTOR : 2.00
 TEST LIMIT (CONC) : 1000
 MAX ABS DELTA (mABS) : 2000
 CHECK PROZONE : INACTIVE
 INSTRUMENTAL FACTOR : 0.000
 SHIFT : 0.000
 RE-RUN HYPERACTIVE : ACTIVE
 RE-RUN PATHOLOGICAL : INACTIVE

NORMAL RANGE:
 MALE: : 59 / 158
 FEMALE: : 37 / 145
 CHILD : 0.00 / 0.20

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	DGKC	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	340/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	DECREASE	PRE-DILUTION	:
REAGENT #1	:	320		1.00
REAGENT #2	:	80	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	60/90	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0	CHECK PROZONE	:
READING TIME (SEC)	:	120	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	2/1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	2		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	800	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:
				0.00 / 0.00

- SERUM -

NAME	:	LDH
SAMPLE (μ l)	:	8
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	5.00
TEST LIMIT (CONC)	:	2000
INITIAL ABS (mABS)	:	2500
FINAL ABS (mABS)	:	500
MAX ABS DELTA (mABS)	:	400
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	225 / 450
FEMALE:	:	225 / 450
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	DMRR	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	578/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		1.00
REAGENT #2	:	75	DILUTION	
SAMPLE STARTER	:	(ACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	120	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0/120	CHECK PROZONE	:
READING TIME (SEC)	:	120	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	UI/L	SHIFT	:
UNIT URINE	:		RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	2		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	1200	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:

- SERUM -

NAME	:	LIPASE
SAMPLE (μ l)	:	6
PRE-DILUTION	:	1.00
DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	800
INITIAL ABS (mABS)	:	1500
FINAL ABS (mABS)	:	2500
MAX ABS DELTA (mABS)	:	500
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE
NORMAL RANGE:		
MALE:	:	0 / 60
FEMALE:	:	0 / 60
CHILD	:	0 / 0

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	CALMAGITE	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	510 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	200		
REAGENT #2	:	200	DILUTION	
SAMPLE STARTER	:	(ACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	240	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	0/120	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	mEq/l	INSTRUMENTAL FACTOR	:
UNIT URINE	:	mEq/l	SHIFT	:
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	MAGNESIUM
SAMPLE (μ l)	:	4
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	8
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	1.30 / 2.10
FEMALE:	:	1.30 / 2.10
CHILD	:	1.38 / 1.74

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	XYL BLUE	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	546 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(ACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	240	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	mEq/l	INSTRUMENTAL FACTOR	:
UNIT URINE	:	mEq/l	SHIFT	:
NUMBER OF NEEDLE WASHES	:	2	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	MAGNESIUM
SAMPLE (μ l)	:	3
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	6
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	1.30 / 2.10
FEMALE:	:	1.30 / 2.10
CHILD	:	1.38 / 1.74

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	MOLIBD UV	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	340/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	300	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:	mg/dl	SHIFT	:
NUMBER OF NEEDLE WASHES	:	2	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	1500	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	PHOSPHORUS
SAMPLE (μ l)	:	3
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	20
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	2.50 / 4.50
FEMALE:	:	2.50 / 4.50
CHILD	:	4.00 / 7.00

Analyzer: Biotecnica BT 2000/3000 plusApplication: **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

TEST METHODOLOGY	:	BIURET	- URINE -
METHOD	:	END POINT	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	546/700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	300	
REAGENT #2	:	0	DILUTION
SAMPLE STARTER	:	(INACTIVE)	FACTOR :
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC) :
INCUBATION TIME (SEC)	:	300	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	g/dl	INSTRUMENTAL FACTOR :
UNIT URINE	:		SHIFT :
NUMBER OF NEEDLE WASHES	:	2	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	1000	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME	:	TOT PROTEINS
SAMPLE (µl)	:	3
PRE-DILUTION	:	1.00

DILUTION:

FACTOR	:	2.00
TEST LIMIT (CONC)	:	12
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:

MALE:	:	6.30 / 8.30
FEMALE:	:	6.00 / 7.80
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	PR	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	578/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	400		
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	300	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:		INSTRUMENTAL FACTOR	:
UNIT URINE	:	mg/dl	SHIFT	:
NUMBER OF NEEDLE WASHES	:	1	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	1500	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	
SAMPLE	(μ l) :	
PRE-DILUTION	:	1.00
DILUTION:		
FACTOR	:	0.00
TEST LIMIT (CONC)	:	
MAX ABS DELTA (mABS)	:	
CHECK PROZONE	:	
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE
NORMAL RANGE:		
MALE:	:	0.00 / 0.00
FEMALE:	:	0.00 / 0.00
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	GPO-PAP	- URINE -
METHOD	:	END POINT	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	510 / 700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	300	
REAGENT #2	:	0	DILUTION
SAMPLE STARTER	:	(INACTIVE)	FACTOR :
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC) :
INCUBATION TIME (SEC)	:	300	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR :
UNIT URINE	:		SHIFT :
NUMBER OF NEEDLE WASHES	:	1	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	2000	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME	:	TRIGLYCERIDES
SAMPLE (µl)	:	3
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	1000
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	0 / 200
FEMALE:	:	0 / 200
CHILD	:	0 / 200

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	UREASE UV	- URINE -	
METHOD	:	KINETIC		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	340/700	SAMPLE	(μ l) :
REACTION DIRECTION	:	DECREASE	PRE-DILUTION	:
REAGENT #1	:	320		
REAGENT #2	:	80	DILUTION	
SAMPLE STARTER	:	(ACTIVE)	FACTOR	:
INCUBATION TIME (SEC)	:	90	TEST LIMIT (CONC)	:
DELAY TIME (SEC)	:	0/90	CHECK PROZONE	:
READING TIME (SEC)	:	90	INSTRUMENTAL FACTOR	:
UNIT SERUM	:	mg/dl	SHIFT	:
UNIT URINE	:	mg/dl	RE-RUN HYPERACTIVE	:
NUMBER OF NEEDLE WASHES	:	1/1	RE-RUN PATHOLOGICAL	:
NUMBER OF CUVETTE WASHES	:	1		
DYNAMIC BLANK	:	INACTIVE	NORMAL RANGE:	
REAGENT BLANK	:	EVERY RUN	MALE:	:
REAGENT LIMIT (mABS)	:	900	FEMALE:	:
CURVE ACCEPTANCE (%)	:	100	CHILD	:

- SERUM -

NAME	:	UREA
SAMPLE	(μ l) :	4
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	5.00
TEST LIMIT (CONC)	:	300
INITIAL ABS (mABS)	:	2500
FINAL ABS (mABS)	:	500
MAX ABS DELTA (mABS)	:	400
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	10 / 50
FEMALE:	:	10 / 50
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	URICASE-PAP	- URINE -
METHOD	:	END POINT	
KIND OF PROCESS	:	LINEAR	NAME :
FILTERS	:	546 / 700	SAMPLE (µl) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION :
REAGENT #1	:	360	
REAGENT #2	:	40	DILUTION
SAMPLE STARTER	:	(INACTIVE)	FACTOR :
INCUBATION TIME (SEC)	:	300	TEST LIMIT (CONC) :
DELAY TIME (SEC)	:	0/90	CHECK PROZONE :
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS) :
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR :
UNIT URINE	:	mg/dl	SHIFT :
NUMBER OF NEEDLE WASHES	:	2	RE-RUN HYPERACTIVE :
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL :
DYNAMIC BLANK	:	INACTIVE	
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:
REAGENT LIMIT (mABS)	:	2000	MALE: :
CURVE ACCEPTANCE (%)	:	100	FEMALE: :
			CHILD :

- SERUM -

NAME	:	URIC ACID
SAMPLE (µl)	:	15
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	20
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	3.50 / 7.20
FEMALE:	:	2.60 / 6.00
CHILD	:	0.00 / 0.00

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	URICASE-PAP-AOX	- URINE -	
METHOD	:	SAMPLE BLANK A		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	546 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		
REAGENT #2	:	75	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	180/300	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	mg/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:	mg/dl	SHIFT	:
NUMBER OF NEEDLE WASHES	:	2/2	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	2	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	URIC ACID
SAMPLE (μ l)	:	15
PRE-DILUTION	:	1.00

DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	35
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE

NORMAL RANGE:		
MALE:	:	3.50 / 7.20
FEMALE:	:	2.60 / 6.00
CHILD	:	0.00 / 0.20

Analyzer: Biotecnica BT 2000/3000 plus

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

TEST METHODOLOGY	:	N-PAPS	- URINE -	
METHOD	:	END POINT		
KIND OF PROCESS	:	LINEAR	NAME	:
FILTERS	:	578 / 700	SAMPLE	(μ l) :
REACTION DIRECTION	:	INCREASE	PRE-DILUTION	:
REAGENT #1	:	300		
REAGENT #2	:	0	DILUTION	
SAMPLE STARTER	:	(INACTIVE)	FACTOR	:
DELAY TIME (SEC)	:	0	TEST LIMIT (CONC)	:
INCUBATION TIME (SEC)	:	300	CHECK PROZONE	:
READING TIME (SEC)	:	10	MAX ABS DELTA (mABS)	:
UNIT SERUM	:	μ g/dl	INSTRUMENTAL FACTOR	:
UNIT URINE	:		SHIFT	:
NUMBER OF NEEDLE WASHES	:	1	RE-RUN HYPERACTIVE	:
NUMBER OF CUVETTE WASHES	:	1	RE-RUN PATHOLOGICAL	:
DYNAMIC BLANK	:	INACTIVE		
REAGENT BLANK	:	EVERY RUN	NORMAL RANGE:	
REAGENT LIMIT (mABS)	:	2000	MALE:	:
CURVE ACCEPTANCE (%)	:	100	FEMALE:	:
			CHILD	:

- SERUM -

NAME	:	ZINC
SAMPLE	(μ l) :	15
PRE-DILUTION	:	1.00
DILUTION:		
FACTOR	:	2.00
TEST LIMIT (CONC)	:	1000
MAX ABS DELTA (mABS)	:	2000
CHECK PROZONE	:	INACTIVE
INSTRUMENTAL FACTOR	:	0.000
SHIFT	:	0.000
RE-RUN HYPERACTIVE	:	ACTIVE
RE-RUN PATHOLOGICAL	:	INACTIVE
NORMAL RANGE:		
MALE:	:	70 / 150
FEMALE:	:	70 / 150
CHILD	:	70 /150