

Clinical chemistry

Hitachi 704 programs

Warning!

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

Chema
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Analyzer: Hitachi 704Application: **ACID PHOSPHATASE (TOTAL)** - Codes AC 0120 / 0245 TC

Preparation: POWDER SINGLE REAGENT. FOLLOW PREPARATION PROGRAM INDICATED IN INSERT SHEET. INSTALL AS R1

Storage: REFRIGERATE AT 2-8°C

PROGRAM

TEST:	ACPT
ASSAY CODE:	5 - 19 - 31
SAMPLE VOL:	20
R1 VOLUME:	330
R2 VOLUME:	0
WAVELENGTHS:	660 - 415
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	10000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0 - 5.1
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **ACID PHOSPHATASE (NON PROSTATIC)** - Codes AC 0120 / 0245 TC

Preparation: POWDER SINGLE REAGENT. FOLLOW PREPARATION PROGRAM INDICATED IN INSERT SHEET. INSTALL AS R1

Storage: REFRIGERATE AT 2-8°C

PROGRAM

TEST:	ACPT
ASSAY CODE:	5 - 19 - 31
SAMPLE VOL:	20
R1 VOLUME:	330
R2 VOLUME:	0
WAVELENGTHS:	660 - 415
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	10000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0 - 4.1
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **ALBUMIN** - Codes BC 0500 / 1500 CH
Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	ALB
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	4
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 600
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	G/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	3.8 - 5.1
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **ALKALINE PHOSPHATASE FL** - Codes AL F245 / F400 / F600 CH

Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A

R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	ALP
ASSAY CODE:	5 - 20 - 26
SAMPLE VOL:	6
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	660 - 415
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	64 - 306
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **AMYLASE FL** - Codes AM F120 / F245 / F600 CH

Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	AMY
ASSAY CODE:	5 - 7 - 15
SAMPLE VOL:	10
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	660 - 415
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0 - 96(*)
INSTRUMENT FACTOR:	1.00

X - X* User def

NOTE: CNP-G3 method is not always available among calibrator values. If it fails, use PNP-G7 value or EPS and program the parameters (*) as indicated below:

EXPECTED VALUE: 10 - 220

Analyzer: Hitachi 704

Application: **AMYLASE EPS FL** - Codes EA F245 / F600 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	AMY
ASSAY CODE:	5 - 23 - 30
SAMPLE VOL:	10
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	660 - 415
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	10 - 220
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **PANCREATIC ISOAMYLASE FL** - Code PA F245 CHPreparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	AMYP
ASSAY CODE:	5 - 23 - 30
SAMPLE VOL:	10
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	660 - 415
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	17 - 115
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **TOTAL BILIRUBIN** - Code BT 0360 CH

Preparation: R1 - USE LIQUID READY TO USE REAGENT A

R2 - MIX 30 PARTS OF REAGENT B1 WITH ONE PART OF REAGENT B2.

Storage: REFRIGERATE AT 2-8°C

Stability: R1: AS INDICATED IN THE LABEL - R2: 7 DAYS.

PROGRAM

TEST:	BILT
ASSAY CODE:	2 - 12 - 31
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	700 - 505
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0.0 - 1.2
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **DIRECT BILIRUBIN** - Code BD 0480 CH

Preparation: R1 - USE LIQUID READY TO USE REAGENT A

R2 - MIX 30 PARTS OF REAGENT A WITH ONE PART OF REAGENT B.

Storage: REFRIGERATE AT 2-8°C

Stability: R1: AS INDICATED IN THE LABEL - R2: 7 DAYS.

PROGRAM

TEST:	BILD
ASSAY CODE:	2 - 12 - 31
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	700 - 546
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0.0 - 0.2
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **CALCIUM** - Code CA 0500 TCPreparation: R1 - INSTALL LIQUID READY TO USE REAGENT B
R2 - INSTALL LIQUID READY TO USE REAGENT A

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	CA
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	5
R1 VOLUME:	250
R2 VOLUME:	250
WAVELENGTHS:	700 - 546
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	9.2 - 11.0
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **CALCIUM ASX** - Code CA 0500 CH
Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	CA
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	4
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 660
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	9.2 - 11.0
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **CHOLESTEROL FL** - Codes CT F400 / 150F CH

Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	CHOL
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	4
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 505
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	140 - 200
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **HDL DIRECT FL**- Code HD F245 CH

Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A

R2 - INSTALL LIQUID READY TO USE REAGENT B

CALIBRATOR - RECONSTITUTE AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 60 DAYS OPEN BOTTLES - CALIBRATOR: AS INDICATED IN INSERT SHEET

PROGRAM

TEST:	HDL
ASSAY CODE:	2 - 12 - 31
SAMPLE VOL:	5
R1 VOLUME:	360
R2 VOLUME:	120
WAVELENGTHS:	700 - 505
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	35 - 55
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **CHOLINESTERASE FL (DGKC)** - Codes CH F245 / F400 CH

Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A

R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	CHE
ASSAY CODE:	5 - 20 - 24
SAMPLE VOL:	5
R1 VOLUME:	400
R2 VOLUME:	80
WAVELENGTHS:	660 - 415
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - DEC
PROZONE LIMIT:	0
EXPECTED VALUE:	5600 - 11200
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **CK-MB FL** - Code MB F120 CHPreparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	CKMB
ASSAY CODE:	5 - 22 - 32
SAMPLE VOL:	10
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	376 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0 - 25
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **CK-NAC FL** - Codes CK F120 / F245 / F600 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	CK
ASSAY CODE:	5 - 22 - 32
SAMPLE VOL:	10
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	376 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0 - 190
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **COPPER** - Code CU 0100 CH

Preparation: R1 - MIX REAGENT A + REAGENT B AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C (SEE NOTE)

Stability: 2 WEEKS

PROGRAM

TEST:	CU
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 570
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	UG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	80 - 140
INSTRUMENT FACTOR:	1.00

X - X* User def

NOTE: REAGENT COULD CONDENSE AT 2-8°C.
IT SUGGESTED TO AVOID INSTALLATION ON
INSTRUMENTS WITH COOLED REAGENTS SITE.

Analyzer: Hitachi 704

Application: **CREATININE** - Code CR 0500 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT B
R2 - INSTALL LIQUID READY TO USE REAGENT A
Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	CREA
ASSAY CODE:	2 - 17 - 21
SAMPLE VOL:	15
R1 VOLUME:	250
R2 VOLUME:	250
WAVELENGTHS:	700 - 505
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0.6 - 1.2
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **CREATININE ES FL** - Code CR F200 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	CREA
ASSAY CODE:	2 - 22 - 28
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	700 - 505
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	0.6 - 1.2
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **GAMMA-GT FL** - Codes GT F245 / F400 / F600 CHPreparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	GGT
ASSAY CODE:	5 - 20 - 30
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	660 - 415
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	11 - 50
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **GLUCOSE FL** - Codes GL F400 / 150F CH
Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	GLUC
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	4
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 505
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	70 - 110
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **GLUCOSE UV FL** - Code GL F601 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	GLUC
ASSAY CODE:	2 - 12 - 31
SAMPLE VOL:	5
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	376 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	60 - 110
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **GOT/AST FL** - Codes GO F245 / F400 / F600 CH

Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A

R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	GOT
ASSAY CODE:	5 - 22 - 30
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	376 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - DEC
PROZONE LIMIT:	0
EXPECTED VALUE:	0 - 40
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **GPT/ALT FL** - Codes GP F245 / F400 / F600 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	GOT
ASSAY CODE:	5 - 22 - 30
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	376 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - DEC
PROZONE LIMIT:	0
EXPECTED VALUE:	0 - 40
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **HBDH FL** - Code HB F245 CHPreparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	HBDH
ASSAY CODE:	5 - 20 - 30
SAMPLE VOL:	5
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	376 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - DEC
PROZONE LIMIT:	0
EXPECTED VALUE:	96 - 190
INSTRUMENT FACTOR:	1.00

X - X*User def

Analyzer: Hitachi 704

Application: **IRON FZ** - Codes FE F245 / F400 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	FE
ASSAY CODE:	2 - 12 - 32
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	700 - 570
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	UG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	59 - 158
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **LDH FL** - Codes LD F120 / F245 / F600 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A
R2 - INSTALL LIQUID READY TO USE REAGENT B
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	LDH
ASSAY CODE:	5 - 20 - 30
SAMPLE VOL:	5
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	376 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	U/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - DEC
PROZONE LIMIT:	0
EXPECTED VALUE:	250 - 450
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: LIPASE FL (next introduction)

PROGRAM

Analyzer: Hitachi 704

Application: **MAGNESIUM** - Codes MG 0200 / 0500 CH
Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT B
R2 - INSTALL LIQUID READY TO USE REAGENT A
Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	MG
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	4
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 505
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MEQ/L
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	1.3 - 2.1
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **PHOSPHORUS** - Codice PH 0500 CH
Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
Storage: REFRIGERATE AT 2-8°C
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	PHOS
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	4
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	660 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	2.3 - 4.7
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **PROTEINS HS** - Code HS 0500 CH
Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	HS
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	3
R1 VOLUME:	500
R2 VOLUME:	0
WAVELENGTHS:	700 - 600
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	28 - 141
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **TOTAL PROTEINS** - Codes TP 0500 / 1500 CH
Preparation: R1 -LIQUID READY TO USE SINGLE REAGENT
Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	TP
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	4
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 546
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	G/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	6.0 - 7.8
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **TRIGLYCERIDES FL** - Codes TR F400 / 150F CH

Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	TRIG
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	4
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 505
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	10 - 190
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **UREA UV FL** - Codes AZ F245 / F400 / F600 CH

Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A

R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

PROGRAM

TEST:	UREA
ASSAY CODE:	5 - 19 - 22
SAMPLE VOL:	5
R1 VOLUME:	400
R2 VOLUME:	100
WAVELENGTHS:	376 - 340
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	12000 - DEC
PROZONE LIMIT:	0
EXPECTED VALUE:	10 - 50
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704

Application: **URIC ACID T FL** - Code AU F402 CH
Preparation: R1 - MIX REAGENT A + REAGENT B AS INDICATED IN INSERT SHEET
Storage: REFRIGERATE AT 2-8°C
Stability: 90 DAYS

PROGRAM

TEST:	UA
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	8
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 546
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	MG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	3.5 - 7.7
INSTRUMENT FACTOR:	1.00

X - X* User def

Analyzer: Hitachi 704Application: **ZINC** - Code ZN 0125 CH

Preparation: R1 - MIX REAGENT A + REAGENT B AS INDICATED IN INSERT SHEET

Storage: REFRIGERATE AT 2-8°C

Stability: 2 WEEKS

PROGRAM

TEST:	ZN
ASSAY CODE:	1 - 31 - 0
SAMPLE VOL:	20
R1 VOLUME:	400
R2 VOLUME:	0
WAVELENGTHS:	700 - 570
CALIB METHOD:	1 - 0
STD 1 CONC. POS.:	X - X*
STD 2 CONC. POS.:	0 - 0
STD 3 CONC. POS.:	0 - 0
STD 4 CONC. POS.:	0 - 0
STD 5 CONC. POS.:	0 - 0
STD 6 CONC. POS.:	0 - 0
UNIT:	UG/DL
SD LIMIT:	0.1
DUPLICATE LIMIT:	100
SENSITIVITY LIMIT:	0
ABS LIMIT:	0 - INC
PROZONE LIMIT:	0
EXPECTED VALUE:	70 - 115
INSTRUMENT FACTOR:	1.00

X - X* User def