



Thermo Konelab 20-30-60 instructions

rev 418.0.2 - 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

Thermo Konelab 20-30-60 instructions

rev 418.0.2 - 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: Thermo Konelab 20 - 30 - 60

Application: **ACID PHOSPHATASE (TOTAL)** - Code AC 0120 TC

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

Storage: REFRIGERATE AT 2-8°C

Test definition ACP

test type Photometric
 Full name Acid Phosph.
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="75"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="50"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="4"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow
 Additional blank NONE
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="ACP"/>	<input type="text" value="22"/>	<input type="text" value="300"/>	<input type="text" value="405"/>	<input type="text" value="LINEAR"/>
Volume (µl)	<input type="text" value="200"/>		λ.2 (nm)	Nonlinearity Conc. (IU/L)
			<input type="text" value="NONE"/>	<input type="text" value="2"/>
Disp. with.	Disp. with			%
<input type="text" value="EXTRA"/>	<input type="text" value="EXTRA"/>			<input type="text" value="15"/>
Volume (µl)	Volume (µl)			Time (sec)
<input type="text" value="10"/>	<input type="text" value="10"/>			<input type="text" value="300"/>
	Diluent			Points&Inter.
	<input type="text" value="WATER"/>			<input type="text" value="11/18 (sec)"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **ALBUMIN** - Code BC 0100 / 0500 / 1000 / 1500 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
 Stability: AS INDICATED IN THE LABEL

Test definition ALB

test type	Photometric	test in use	YES		
Full name	Albumin	Test limit	Low	High	Units
Online name			0	7	g/dl
Result unit	g/dl	Initial absorb.	0,0	2,0	A
N. of decimals	1	Dilution limit	*	5	g/dl
Acceptance	AUTOMATIC	Secondary dil.	0	2	
Dilution 1+	0	Correction factor	1.00		
Sample type	serum plasma	Bias correction	0.00		

calibration parameters

calibration type	LINEAR	Bias corr. in use	NO
Repeat time (d)	0	Abs. error (mA)	15
Point/std	2	Rel. error %	3
Acceptance	MANUAL	Response limit	
Type of standard	SEPARATE	Min.	*
Std. ID	WATER CAL 1	Max	*

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	BLANK	Volume (µl)	Incubation Time (sec)	λ1 (nm)
GLUC		2	120	620
Volume (µl)				λ2 (nm)
215				700
Disp. with.		Disp. with		λ2 weight
WATER		WATER		1,0
Volume (µl)		Volume (µl)		Res. Net. Abs.
15		15		0
		Diluent		Meas. type
		WATER		Fixed timing

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **ALKALINE PHOSPHATASE DGKC FL** - Codes AL F080 / F245 / F400 / F600 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition ALP

test type Photometric
 Full name ALK. Phosph.
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="2000"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="1500"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="9"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="ALP"/>	<input type="text" value="180"/>	<input type="text" value="4"/>	<input type="text" value="120"/>	<input type="text" value="405"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="175"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="10"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="15"/>		<input type="text" value="10"/>			<input type="text" value="120"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="7/18 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **ALKALINE PHOSPHATASE IFCC FL** - Codes AF F080 / F245 / F400 / F600 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition ALP

test type Photometric
 Full name ALK. Phosph.
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="2000"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="1500"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="9"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="ALP"/>	<input type="text" value="180"/>	<input type="text" value="4"/>	<input type="text" value="120"/>	<input type="text" value="405"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="175"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="10"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="15"/>		<input type="text" value="10"/>			<input type="text" value="120"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="7/18 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **AMYLASE FL** - Codes AM F120 / F245 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: REFRIGERATE AT 2-8°C
 Stability: AS INDICATED IN THE LABEL

Test definition AMY

test type Photometric
 Full name Amylase
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="2000"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="1500"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="9"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow
 Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="AMY"/>	<input type="text" value="180"/>	<input type="text" value="5"/>	<input type="text" value="120"/>	<input type="text" value="405"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="175"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="15"/>		<input type="text" value="10"/>			<input type="text" value="120"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="7/18 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **AMYLASE EPS FL** - Codes EA F080 / F245 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition AMY

test type Photometric
 Full name Amylase
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="1500"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="1000"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="9"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="AMY"/>	<input type="text" value="180"/>	<input type="text" value="7"/>	<input type="text" value="180"/>	<input type="text" value="405"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="185"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="15"/>		<input type="text" value="10"/>			<input type="text" value="120"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="7/18 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

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

Test definition AMYP

test type Photometric
Full name Pancreatic Amylase

Online name
Result unit

N. of decimals

Acceptance

Dilution 1+

Sample type serum
plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="2500"/>	<input type="text" value="U/L"/>

Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
-----------------	----------------------------------	----------------------------------	--------------------------------

Dilution limit	<input type="text" value="*"/>	<input type="text" value="2000"/>	<input type="text" value="U/L"/>
----------------	--------------------------------	-----------------------------------	----------------------------------

Secondary dil.	<input type="text" value="0"/>	<input type="text" value="9"/>
----------------	--------------------------------	--------------------------------

Correction factor	<input type="text" value="1.00"/>
-------------------	-----------------------------------

Bias correction	<input type="text" value="0.00"/>
-----------------	-----------------------------------

calibration parameters

calibration type Factor bias

Bias corr. in use

test flow

Additional blank NONE

Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	Reagent	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="P-AMY-1"/>	<input type="text" value="180"/>	<input type="text" value="4"/>	<input type="text" value="180"/>	<input type="text" value="P-AMY-2"/>	<input type="text" value="120"/>	<input type="text" value="405"/>	<input type="text" value="LINEARCUT"/>

Volume (µl)	Volume (µl)	λ.2 (nm)	Nonlinearity
<input type="text" value="180"/>	<input type="text" value="40"/>	<input type="text" value="NONE"/>	

Disp. with.	Disp. with	Disp. with	resp.(mA/min)
<input type="text" value="EXTRA"/>	<input type="text" value="EXTRA"/>	<input type="text" value="EXTRA"/>	<input type="text" value="20"/>

Volume (µl)	Volume (µl)	Volume (µl)	Time (sec)
<input type="text" value="10"/>	<input type="text" value="10"/>	<input type="text" value="10"/>	<input type="text" value="180"/>

Diluent	Points&Inter.
<input type="text" value="WATER"/>	<input type="text" value="7/18 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **BICARBONATE FL** - Codes BR F060 / F245 / F400 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: REFRIGERATE AT 2-8°C
 Stability: AS INDICATED IN THE LABEL

Test definition C02

test type Photometric
 Full name BICARBONATE
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="50"/>	<input type="text" value="mmol/l"/>
Initial absorb.	<input type="text" value="0,5"/>	<input type="text" value="2,5"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="45"/>	<input type="text" value="mmol/l"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="15"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="0"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
C02	2	120	405
BLANK			
Volume (µl)	200		λ2 (nm)
Disp. with.	WATER	Disp. with	700
		WATER	λ2 weight
Volume (µl)	10	Volume (µl)	1,0
		10	Res. Net. Abs.
	Diluent		0
	WATER		Meas. type
			NORMAL

Analyzer: Thermo Konelab 20 - 30 - 60

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

Preparation: R1 - USE 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

Test definition T BIL

test type Photometric
 Full name Total Bilirubin
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="20"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="12"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="4"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="1"/>	Abs. error (mA)	<input type="text" value="12"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="3"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)		Reagent	Incubation Time (sec)	λ1 (nm)
<input type="text" value="T-BIL-1"/>	<input type="text" value="10"/>	<input type="text" value="180"/>	<input type="text" value="BLANK"/>	<input type="text" value="T-BIL-2"/>	<input type="text" value="300"/>	<input type="text" value="510"/>
Volume (µl)	<input type="text" value="160"/>			Volume (µl)	<input type="text" value="40"/>	λ2 (nm)
Disp. with.	<input type="text" value="WATER"/>	Disp. with	<input type="text" value="EXTRA"/>	Disp. with	<input type="text" value="WATER"/>	
Volume (µl)	<input type="text" value="10"/>	Volume (µl)	<input type="text" value="10"/>	Volume (µl)	<input type="text" value="10"/>	
	Diluent	<input type="text" value="WATER"/>				Meas. type
						<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

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

Preparation: R1 - USE 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

Test definition D BIL

test type Photometric
Full name Direct Bilirubin

Online name

Result unit

N. of decimals

Acceptance

Dilution 1+

Sample type serum
plasma

test in use YES

Low High Units
Test limit

Initial absorb.

Dilution limit

Secondary dil.

Correction factor

Bias correction

calibration parameters

calibration type Bias corr. in use

Repeat time (d) Abs. error (mA)

Point/std Rel. error %

Acceptance

Type of standard Response limit Min.

Std. ID Max

test flow

Additional blank MEASUREMENT

Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	Reagent	Incubation Time (sec)	λ1 (nm)
<input type="text" value="D-BIL-1"/>	<input type="text" value="10"/>	<input type="text" value="120"/>	<input type="text" value="BLANK"/>	<input type="text" value="60"/>	<input type="text" value="540"/>

Volume (µl)	Volume (µl)	λ2 (nm)
<input type="text" value="160"/>	<input type="text" value="40"/>	<input type="text" value="NONE"/>

Disp. with.	Disp. with	Disp. with
<input type="text" value="WATER"/>	<input type="text" value="EXTRA"/>	<input type="text" value="WATER"/>

Volume (µl)	Volume (µl)	Volume (µl)
<input type="text" value="10"/>	<input type="text" value="10"/>	<input type="text" value="10"/>

Diluent	Meas. type
<input type="text" value="WATER"/>	<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **CALCIUM** - Code CA 0305 / 0505 CH
 Preparation: WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET
 Storage: REFRIGERATE AT 2-8°C
 Stability: 14 DAYS AT 2-8°C

Test definition CA

test type Photometric
 Full name Calcium
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="20"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="15"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="15"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="0"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank	MEASUREMENT				
Antigen excess	NO				
Reagent	Incubation Time (sec)	BLANK	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="CA"/>	<input type="text" value="120"/>		<input type="text" value="3"/>	<input type="text" value="120"/>	<input type="text" value="575"/>
Volume (µl)					λ2 (nm)
<input type="text" value="200"/>					<input type="text" value="700"/>
Disp. with.			Disp. with		
<input type="text" value="WATER"/>			<input type="text" value="WATER"/>		
Volume (µl)			Volume (µl)		
<input type="text" value="15"/>			<input type="text" value="15"/>		
			Diluent		
			<input type="text" value="WATER"/>		
					Res. Net. Abs.
					<input type="text" value="0"/>
					Meas. type
					<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **CALCIUM ASX** - Code CA 0100 / 0500 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
 Stability: AS INDICATED IN THE LABEL

Test definition CA

test type Photometric
 Full name Calcium
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="20"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="15"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="15"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="0"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank	MEASUREMENT				
Antigen excess	NO				
Reagent	Incubation Time (sec)	BLANK	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="CA"/>	<input type="text" value="120"/>		<input type="text" value="2"/>	<input type="text" value="120"/>	<input type="text" value="660"/>
Volume (µl)					λ2 (nm)
<input type="text" value="200"/>					<input type="text" value="700"/>
Disp. with.			Disp. with.		
<input type="text" value="WATER"/>			<input type="text" value="WATER"/>		
Volume (µl)			Volume (µl)		
<input type="text" value="15"/>			<input type="text" value="15"/>		
			Diluent		
			<input type="text" value="WATER"/>		
					Res. Net. Abs.
					<input type="text" value="0"/>
					Meas. type
					<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **CHLORIDE** - Code CL 0100 / 0500 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: ROOM TEMPERATURE (15-30°C)
 Stability: AS INDICATED IN THE LABEL

Test definition CHLOR

test type Photometric
 Full name Chloride
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="200"/>	<input type="text" value="mEq/l"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="150"/>	<input type="text" value="mEq/l"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="15"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="CHLOR"/>	<input type="text" value="2"/>	<input type="text" value="600"/>	<input type="text" value="460"/>
<input type="text" value="BLANK"/>			
Volume (µl)	<input type="text" value="220"/>		λ2 (nm)
Disp. with.	<input type="text" value="WATER"/>	Disp. with	<input type="text" value="700"/>
		<input type="text" value="WATER"/>	λ2 weight
Volume (µl)	<input type="text" value="10"/>	Volume (µl)	<input type="text" value="1,0"/>
		Diluent	Res. Net. Abs.
		<input type="text" value="WATER"/>	<input type="text" value="0"/>
			Meas. type
			<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **CHOLESTEROL FL** - Codes CT F100 / F400 / 100F / 150F CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: REFRIGERATE AT 2-8°C
 Stability: AS INDICATED IN THE LABEL

Test definition CHOL

test type Photometric
 Full name Cholesterol
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="800"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="600"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
CHOL	2	300	510
BLANK			
Volume (µl)	<input type="text" value="200"/>		λ2 (nm)
Disp. with.	<input type="text" value="WATER"/>		λ2 weight
Volume (µl)	<input type="text" value="20"/>		Res. Net. Abs.
Diluent	<input type="text" value="WATER"/>		Meas. type
			NORMAL

Analyzer: Thermo Konelab 20 - 30 - 60

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

Test definition HDL-C

test type Photometric
Full name HDL direct
Online name
Result unit
N. of decimals
Acceptance
Dilution 1+
Sample type serum
plasma

test in use YES
Low High Units
Test limit
Initial absorb.
Dilution limit
Secondary dil.
Correction factor
Bias correction

calibration parameters

calibration type Bias corr. in use
Repeat time (d) Abs. error (mA)
Point/std Rel. error %
Acceptance
Type of standard Response limit Min.
Std. ID Max

test flow
Additional blank MEASUREMENT
Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	Reagent	Incubation Time (sec)	λ1 (nm)
<input type="text" value="HDL-C-1"/>	<input type="text" value="2"/>	<input type="text" value="300"/>	<input type="text" value="BLANK"/>	<input type="text" value="300"/>	<input type="text" value="600"/>
<input type="text" value="150"/>			<input type="text" value="50"/>		<input type="text" value="700"/>
Disp. with. <input type="text" value="WATER"/>	Disp. with <input type="text" value="EXTRA"/>		Disp. with <input type="text" value="WATER"/>		λ2 weight <input type="text" value="1,0"/>
<input type="text" value="20"/>	<input type="text" value="10"/>		<input type="text" value="20"/>		Res. Net. Abs. <input type="text" value="0"/>
	Diluent <input type="text" value="WATER"/>				Meas. type <input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

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

Test definition LDL-C

test type	Photometric	test in use	YES		
Full name	LDL direct	Test limit	Low <input type="text" value="0"/>	High <input type="text" value="400"/>	Units <input type="text" value="mg/dl"/>
Online name		Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Result unit	<input type="text" value="mg/dl"/>	Dilution limit	<input type="text" value="*"/>	<input type="text" value="350"/>	<input type="text" value="mg/dl"/>
N. of decimals	<input type="text" value="0"/>	Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Acceptance	<input type="text" value="AUTOMATIC"/>	Correction factor	<input type="text" value="1.00"/>		
Dilution 1+	<input type="text" value="0"/>	Bias correction	<input type="text" value="0.00"/>		
Sample type	serum plasma				

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="12"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="3"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit Min.	<input type="text" value="*"/>
Type of standard	<input type="text" value="SEPARATE"/>	Max	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
LDL CAL"/>		

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	Reagent	Incubation Time (sec)	λ1 (nm)
<input type="text" value="LDL-C-1"/>	<input type="text" value="2"/>	<input type="text" value="300"/>	<input type="text" value="BLANK"/>	<input type="text" value="300"/>	<input type="text" value="600"/>
Volume (µl)	<input type="text" value="150"/>		Volume (µl)	<input type="text" value="50"/>	λ2 (nm)
Disp. with.	<input type="text" value="WATER"/>		Disp. with	<input type="text" value="WATER"/>	λ2 weight
Volume (µl)	<input type="text" value="20"/>		Volume (µl)	<input type="text" value="20"/>	Res. Net. Abs.
	Diluent				Meas. type
	<input type="text" value="WATER"/>				<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **CHOLINESTERASE FL (DGKC)** - Codes CH F096 / F245 CH
 Preparation: WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET
 Storage: REFRIGERATE AT 2-8°C
 Stability: 30 DAYS AT 2-8°C

Test definition CHE

test type Photometric
 Full name Cholinesterase
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="25000"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,8"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="20000"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="CHE"/>	<input type="text" value="180"/>	<input type="text" value="4"/>	<input type="text" value="90"/>	<input type="text" value="405"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="215"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="15"/>		<input type="text" value="10"/>			<input type="text" value="90"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="7/18 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **CK-NAC FL** - Codes CK F060 / F120 / F245 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition CK

test type Photometric
 Full name Creatine kinase
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="1600"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="1200"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="CK"/>	<input type="text" value="180"/>	<input type="text" value="8"/>	<input type="text" value="120"/>	<input type="text" value="340"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="180"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="10"/>		<input type="text" value="10"/>			<input type="text" value="120"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="7/18 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **CK-MB FL** - Code MB F060 / F120 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **10 DAYS AT 2-8°C**

Test definition CK-MB

test type Photometric
 Full name CK-MB

Result unit

N. of decimals

Acceptance

Dilution 1+

Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="1600"/>	<input type="text" value="U/L"/>

Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
-----------------	----------------------------------	----------------------------------	--------------------------------

Dilution limit	<input type="text" value="*"/>	<input type="text" value="1200"/>	<input type="text" value="U/L"/>
----------------	--------------------------------	-----------------------------------	----------------------------------

Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>
----------------	--------------------------------	--------------------------------

Correction factor

Bias correction

calibration parameters

calibration type Factor bias

Bias corr. in use

test flow

Additional blank NONE

Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="CK"/>	<input type="text" value="120"/>	<input type="text" value="8"/>	<input type="text" value="300"/>	<input type="text" value="340"/>	<input type="text" value="LINEARCUT"/>

Volume (µl)	<input type="text" value="180"/>	λ.2 (nm)	<input type="text" value="NONE"/>	Nonlinearity	<input type="text" value="10"/>
-------------	----------------------------------	----------	-----------------------------------	--------------	---------------------------------

Disp. with.	<input type="text" value="EXTRA"/>	Disp. with	<input type="text" value="EXTRA"/>	resp.(mA/min)	<input type="text" value="20"/>
-------------	------------------------------------	------------	------------------------------------	---------------	---------------------------------

Volume (µl)	<input type="text" value="10"/>	Volume (µl)	<input type="text" value="10"/>	Time (sec)	<input type="text" value="240"/>
-------------	---------------------------------	-------------	---------------------------------	------------	----------------------------------

Diluent	<input type="text" value="WATER"/>	Points&Inter.	<input type="text" value="9/27 sec"/>
---------	------------------------------------	---------------	---------------------------------------

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **COPPER** - Code CU 0100 CH
 Preparation: R1 - MIX REAGENT A + REAGENT B AS INDICATED IN INSERT SHEET
 Storage: **DO NOT REFRIGERATE ! REAGENT COULD CONDENSATE!**
 Stability: 2 WEEKS

Test definition CU

test type Photometric
 Full name Copper
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="500"/>	<input type="text" value="µg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="300"/>	<input type="text" value="µg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CHEM CAL"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="CU"/> BLANK	<input type="text" value="10"/>	<input type="text" value="300"/>	<input type="text" value="575"/>
Volume (µl)			λ2 (nm)
<input type="text" value="150"/>			<input type="text" value="700"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="10"/>	<input type="text" value="10"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **CREATININE** - Code CR 0500 / 1000 / 1500 CH
 Preparation: WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET
 Storage: REFRIGERATE AT 2-8°C
 Stability: 10 DAYS AT 2-8°C

Test definition CREA

test type Photometric
 Full name Creatinine
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="12"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="10"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="9"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="5"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ1 (nm)	Curve type
<input type="text" value="CREA"/>	<input type="text" value="180"/>	<input type="text" value="10"/>	<input type="text" value="60"/>	<input type="text" value="510"/>	<input type="text" value="NONLINEAR"/>
Volume (µl)				λ2 (nm)	Nonlinearity
<input type="text" value="200"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="10"/>		<input type="text" value="10"/>			<input type="text" value="60"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="12/4.5 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **GAMMA-GT FL** - Codes GT F080 / F245 / F400 / F600 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition GGT

test type Photometric
 Full name Gamma GT
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="1000"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="600"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="9"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="GGT"/>	<input type="text" value="180"/>	<input type="text" value="22"/>	<input type="text" value="120"/>	<input type="text" value="405"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="190"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="20"/>		<input type="text" value="10"/>			<input type="text" value="120"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="7/18 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **GLUCOSE FL** - Codes GL F400 / 100F / 150F CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: REFRIGERATE AT 2-8°C
 Stability: AS INDICATED IN THE LABEL

Test definition GLUC

test type Photometric
 Full name GLUC GOD-POD
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="500"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="350"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="15"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="0"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="GLUC"/> BLANK	<input type="text" value="2"/>	<input type="text" value="600"/>	<input type="text" value="510"/>
Volume (µl)			λ2 (nm)
<input type="text" value="200"/>			<input type="text" value="620"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="20"/>	<input type="text" value="20"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **GLUCOSE UV FL** - Code GL F601 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition GLU-HK

test type Photometric
 Full name GLUC HK
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="1000"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="750"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
GLU-HK	2	300	340
BLANK			
Volume (µl)	<input type="text" value="200"/>		λ2 (nm)
Disp. with.	<input type="text" value="WATER"/>		λ2 weight
Volume (µl)	<input type="text" value="20"/>		Res. Net. Abs.
Diluent	<input type="text" value="WATER"/>		Meas. type
			NORMAL

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **GOT/AST FL** - Codes GO F080 / F245 / F400 / F600 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition GOT

test type Photometric
 Full name GOT - AST
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="440"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,8"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="300"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow
 Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="GOT"/>	<input type="text" value="180"/>	<input type="text" value="22"/>	<input type="text" value="120"/>	<input type="text" value="340"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="190"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="20"/>		<input type="text" value="10"/>			<input type="text" value="180"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="9/27 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **GPT/ALT FL** - Codes GP F080 / F245 / F400 / F600 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition GPT

test type Photometric
 Full name GPT - ALT
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="440"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,8"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="300"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="GPT"/>	<input type="text" value="180"/>	<input type="text" value="22"/>	<input type="text" value="120"/>	<input type="text" value="340"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="190"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="20"/>		<input type="text" value="10"/>			<input type="text" value="180"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="9/27 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60Application: **IRON FZ** - Codes FE F245 / F400 CH

Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A

R2 - INSTALL REAGENT B (PREPARATION AS PER INSERT SHEET)

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

Test definition IRON-F

test type Photometric

Full name Iron FZ

Online name

Result unit N. of decimals Acceptance Dilution 1+ Sample type serum
plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="1000"/>	<input type="text" value="µg/dl"/>

Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
-----------------	----------------------------------	----------------------------------	--------------------------------

Dilution limit	<input type="text" value="*"/>	<input type="text" value="700"/>	<input type="text" value="µg/dl"/>
----------------	--------------------------------	----------------------------------	------------------------------------

Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>
----------------	--------------------------------	--------------------------------

Correction factor Bias correction **calibration parameters**calibration type Bias corr. in use Repeat time (d) Abs. error (mA) Point/std Rel. error % Acceptance Type of standard Response limit Min. Std. ID Max

test flow

Additional blank MEASUREMENT

Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)		Reagent	Incubation Time (sec)	λ1 (nm)
<input type="text" value="IRON-F-1"/>	<input type="text" value="50"/>	<input type="text" value="240"/>	<input type="text" value="BLANK"/>	<input type="text" value="IRON-F-2"/>	<input type="text" value="300"/>	<input type="text" value="575"/>

Volume (µl)		Volume (µl)	λ2 (nm)
<input type="text" value="160"/>		<input type="text" value="40"/>	<input type="text" value="NONE"/>

Disp. with.	Disp. with	Disp. with
<input type="text" value="WATER"/>	<input type="text" value="EXTRA"/>	<input type="text" value="WATER"/>

Volume (µl)	Volume (µl)	Volume (µl)
<input type="text" value="10"/>	<input type="text" value="10"/>	<input type="text" value="10"/>

Diluent	Meas. type
<input type="text" value="WATER"/>	<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **IRON CRX** - Code FE 0100 / 0500 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: ROOM TEMPERATURE (15-30°C) - AVOID REFRIGERATION
 Stability: AS INDICATED IN THE LABEL

Test definition IRON-C

test type Photometric
 Full name Iron CRX
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="500"/>	<input type="text" value="µg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="400"/>	<input type="text" value="µg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="15"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
IRON-C	8	120	620
BLANK			
Volume (µl)	<input type="text" value="200"/>		λ2 (nm)
Disp. with.	<input type="text" value="WATER"/>		λ2 weight
Volume (µl)	<input type="text" value="10"/>		Res. Net. Abs.
Diluent	<input type="text" value="WATER"/>		Meas. type
			NORMAL

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **LDH FL** - Codes LD F060 / F120 / F245 CH
 Preparation: **WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET**
 Storage: **REFRIGERATE AT 2-8°C**
 Stability: **30 DAYS AT 2-8°C**

Test definition LDH

test type Photometric
 Full name LDH-P
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="4000"/>	<input type="text" value="U/L"/>
Initial absorb.	<input type="text" value="0,8"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="3000"/>	<input type="text" value="U/L"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type Factor bias
 Bias corr. in use

test flow
 Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ.1 (nm)	Curve type
<input type="text" value="LDH"/>	<input type="text" value="180"/>	<input type="text" value="2"/>	<input type="text" value="120"/>	<input type="text" value="340"/>	<input type="text" value="LINEARCUT"/>
Volume (µl)				λ.2 (nm)	Nonlinearity
<input type="text" value="180"/>				<input type="text" value="NONE"/>	
Disp. with.	Disp. with		resp.(mA/min)		
<input type="text" value="EXTRA"/>	<input type="text" value="EXTRA"/>		<input type="text" value="20"/>		
Volume (µl)	Volume (µl)		Time (sec)		
<input type="text" value="10"/>	<input type="text" value="10"/>		<input type="text" value="120"/>		
	Diluent		Points&Inter.		
	<input type="text" value="WATER"/>		<input type="text" value="7/18 sec"/>		

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **LIPASE FL- Code LP F060 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

Test definition LIP

test type	Photometric	test in use	YES		
Full name	Lipase	Test limit	Low	High	Units
Online name			0	250	U/L
Result unit	U/L	Initial absorb.	0,0	2,0	A
N. of decimals	0	Dilution limit	*	200	U/L
Acceptance	AUTOMATIC	Secondary dil.	0	5	
Dilution 1+	0	Correction factor	1.00		
Sample type	serum plasma	Bias correction	0.00		

calibration parameters

calibration type	LINEAR	Bias corr. in use	NO
Repeat time (d)	0	Abs. error (mA)	12
Point/std	2	Rel. error %	5
Acceptance	MANUAL	Response limit Min.	*
Type of standard	SEPARATE	Max	*
Std. ID	WATER HDL CAL		

test flow

Additional blank NONE

Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	Reagent	Incubation Time (sec)	λ.1 (nm)	Curve type
LIP-1	120	2	300	LIP-2	120	575	LINEARCUT
Volume (µl)	160			Volume (µl)	40	λ.2 (nm)	Nonlinearity
						NONE	
Disp. with.	EXTRA	Disp. with	EXTRA	Disp. with	EXTRA		resp.(mA/min)
							20
Volume (µl)	10	Volume (µl)	10	Volume (µl)	10		Time (sec)
							180
		Diluent	WATER				Points&Inter.
							7/18 sec

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **MAGNESIUM** - Codes MG 0200 / 0500 CH
 Preparation: WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET
 Storage: REFRIGERATE AT 2-8°C
 Stability: 30 DAYS AT 2-8°C

Test definition MG

test type Photometric
 Full name Magnesium
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="10"/>	<input type="text" value="mEq/l"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="7"/>	<input type="text" value="mEq/l"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="MG"/> BLANK	<input type="text" value="2"/>	<input type="text" value="90"/>	<input type="text" value="510"/>
Volume (µl)			λ2 (nm)
<input type="text" value="200"/>			<input type="text" value="700"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="10"/>	<input type="text" value="10"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **MAGNESIUM XL** - Codes MX 0300 / 0500 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: REFRIGERATE AT 2-8°C
 Stability: AS INDICATED IN THE LABEL

Test definition MG

test type Photometric
 Full name Magnesium
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="10"/>	<input type="text" value="mEq/l"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="7"/>	<input type="text" value="mEq/l"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="MG"/>	<input type="text" value="2"/>	<input type="text" value="90"/>	<input type="text" value="540"/>
BLANK			
Volume (µl)			λ2 (nm)
<input type="text" value="200"/>			<input type="text" value="700"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="10"/>	<input type="text" value="10"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **PHOSPHORUS** - Codice PH 0100 / 0500 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: REFRIGERATE AT 2-8°C
 Stability: AS INDICATED IN THE LABEL

Test definition PH

test type Photometric
 Full name Phosphorus
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="15"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="12"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="PH"/> BLANK	<input type="text" value="2"/>	<input type="text" value="300"/>	<input type="text" value="340"/>
Volume (µl)			λ2 (nm)
<input type="text" value="200"/>			<input type="text" value="380"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="10"/>	<input type="text" value="10"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **PROTEINS HS** - Code HS 0100 / 0500 CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
 Stability: AS INDICATED IN THE LABEL

Test definition HSP

test type Photometric
 Full name HS Proteins
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type urine
 CSF

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="500"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="400"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="10"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="HSP"/>	<input type="text" value="2"/>	<input type="text" value="300"/>	<input type="text" value="600"/>
BLANK			
Volume (µl)			λ2 (nm)
<input type="text" value="232"/>			<input type="text" value="700"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="8"/>	<input type="text" value="8"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **TOTAL PROTEINS** - Codes TP 0100 / 0500 / 1000 / 1500 CH
 Preparation: R1 -LIQUID READY TO USE SINGLE REAGENT
 Storage: ROOM TEMPERATURE OR REFRIGERATE (2-30°C)
 Stability: AS INDICATED IN THE LABEL

Test definition TP

test type Photometric
 Full name Total proteins
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="12"/>	<input type="text" value="g/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="9"/>	<input type="text" value="g/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="5"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="TP"/> BLANK	<input type="text" value="2"/>	<input type="text" value="600"/>	<input type="text" value="540"/>
Volume (µl)			λ2 (nm)
<input type="text" value="200"/>			<input type="text" value="700"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="10"/>	<input type="text" value="10"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **TRIGLYCERIDES FL** - Codes TR F100 / F400 / 100F / 150F CH
 Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT
 Storage: REFRIGERATE AT 2-8°C
 Stability: AS INDICATED IN THE LABEL

Test definition TRIG

test type Photometric
 Full name Triglycerides
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="1000"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="800"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="CHOL"/>	<input type="text" value="2"/>	<input type="text" value="300"/>	<input type="text" value="510"/>
BLANK			
Volume (µl)	<input type="text" value="200"/>		λ2 (nm)
Disp. with.	<input type="text" value="WATER"/>		λ2 weight
Volume (µl)	<input type="text" value="20"/>		Res. Net. Abs.
Diluent	<input type="text" value="WATER"/>		Meas. type
			<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **UREA UV FL** - Codes AZ F080 / F245 / F400 / F600 CH
 Preparation: WORKING REAGENT PREPARATION AS INDICATED IN INSERT SHEET
 Storage: REFRIGERATE AT 2-8°C
 Stability: 30 DAYS AT 2-8°C

Test definition UREA

test type Photometric
 Full name Urea
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="300"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,8"/>	<input type="text" value="2,2"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="250"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="9"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="7"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="10"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank NONE
 Antigen excess NO

Reagent	Incubation time (sec)	Volume (µl)	Incubation Time (sec)	λ1 (nm)	Curve type
<input type="text" value="UREA"/>	<input type="text" value="180"/>	<input type="text" value="2"/>	<input type="text" value="30"/>	<input type="text" value="340"/>	<input type="text" value="NONLINEAR"/>
Volume (µl)				λ2 (nm)	Nonlinearity
<input type="text" value="200"/>				<input type="text" value="NONE"/>	
Disp. with.		Disp. with			resp.(mA/min)
<input type="text" value="EXTRA"/>		<input type="text" value="EXTRA"/>			<input type="text" value="20"/>
Volume (µl)		Volume (µl)			Time (sec)
<input type="text" value="20"/>		<input type="text" value="10"/>			<input type="text" value="60"/>
		Diluent			Points&Inter.
		<input type="text" value="WATER"/>			<input type="text" value="12/4.5 sec"/>

Analyzer: Thermo Konelab 20 - 30 - 60

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

Test definition URIC

test type Photometric
 Full name Uric acid
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="25"/>	<input type="text" value="mg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="20"/>	<input type="text" value="mg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CAL 1"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="URIC"/>	<input type="text" value="5"/>	<input type="text" value="300"/>	<input type="text" value="540"/>
BLANK			
Volume (µl)			λ2 (nm)
<input type="text" value="200"/>			<input type="text" value="700"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="20"/>	<input type="text" value="20"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

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

Preparation: R1 - INSTALL LIQUID READY TO USE REAGENT A

R2 - INSTALL REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

Test definition URIC

test type Photometric

Full name AU AOX

Online name

Result unit

N. of decimals

Acceptance

Dilution 1+

Sample type serum
plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="35"/>	<input type="text" value="mg/dl"/>

Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
-----------------	----------------------------------	----------------------------------	--------------------------------

Dilution limit	<input type="text" value="*"/>	<input type="text" value="25"/>	<input type="text" value="µg/dl"/>
----------------	--------------------------------	---------------------------------	------------------------------------

Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>
----------------	--------------------------------	--------------------------------

Correction factor

Bias correction

calibration parameters

calibration type Bias corr. in use

Repeat time (d) Abs. error (mA)

Point/std Rel. error %

Acceptance

Type of standard Response limit Min.

Std. ID Max

test flow

Additional blank MEASUREMENT

Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)		Reagent	Incubation Time (sec)	λ.1 (nm)
<input type="text" value="URIC-1"/>	<input type="text" value="10"/>	<input type="text" value="240"/>	<input type="text" value="BLANK"/>	<input type="text" value="URIC-2"/>	<input type="text" value="300"/>	<input type="text" value="540"/>

Volume (µl)		Volume (µl)	λ.2 (nm)
<input type="text" value="200"/>		<input type="text" value="50"/>	<input type="text" value="700"/>

Disp. with.	Disp. with	Disp. with
<input type="text" value="WATER"/>	<input type="text" value="EXTRA"/>	<input type="text" value="WATER"/>

Volume (µl)	Volume (µl)	Volume (µl)
<input type="text" value="10"/>	<input type="text" value="10"/>	<input type="text" value="10"/>

Diluent	Meas. type
<input type="text" value="WATER"/>	<input type="text" value="NORMAL"/>

Analyzer: Thermo Konelab 20 - 30 - 60

Application: **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

Test definition ZN

test type Photometric
 Full name Zinc
 Online name
 Result unit
 N. of decimals
 Acceptance
 Dilution 1+
 Sample type serum
 plasma

test in use YES

	Low	High	Units
Test limit	<input type="text" value="0"/>	<input type="text" value="1000"/>	<input type="text" value="µg/dl"/>
Initial absorb.	<input type="text" value="0,0"/>	<input type="text" value="2,0"/>	<input type="text" value="A"/>
Dilution limit	<input type="text" value="*"/>	<input type="text" value="800"/>	<input type="text" value="µg/dl"/>
Secondary dil.	<input type="text" value="0"/>	<input type="text" value="2"/>	
Correction factor	<input type="text" value="1.00"/>		
Bias correction	<input type="text" value="0.00"/>		

calibration parameters

calibration type	<input type="text" value="LINEAR"/>	Bias corr. in use	<input type="text" value="NO"/>
Repeat time (d)	<input type="text" value="0"/>	Abs. error (mA)	<input type="text" value="10"/>
Point/std	<input type="text" value="2"/>	Rel. error %	<input type="text" value="5"/>
Acceptance	<input type="text" value="MANUAL"/>	Response limit	
Type of standard	<input type="text" value="SEPARATE"/>	Min.	<input type="text" value="*"/>
Std. ID	<input type="text" value="WATER
CHEM CAL"/>	Max	<input type="text" value="*"/>

test flow

Additional blank MEASUREMENT
 Antigen excess NO

Reagent	Volume (µl)	Incubation Time (sec)	λ1 (nm)
<input type="text" value="ZN"/> BLANK	<input type="text" value="10"/>	<input type="text" value="300"/>	<input type="text" value="575"/>
Volume (µl)			λ2 (nm)
<input type="text" value="200"/>			<input type="text" value="700"/>
Disp. with.	Disp. with		λ2 weight
<input type="text" value="WATER"/>	<input type="text" value="WATER"/>		<input type="text" value="1,0"/>
Volume (µl)	Volume (µl)		Res. Net. Abs.
<input type="text" value="10"/>	<input type="text" value="10"/>		<input type="text" value="0"/>
	Diluent		Meas. type
	<input type="text" value="WATER"/>		<input type="text" value="NORMAL"/>