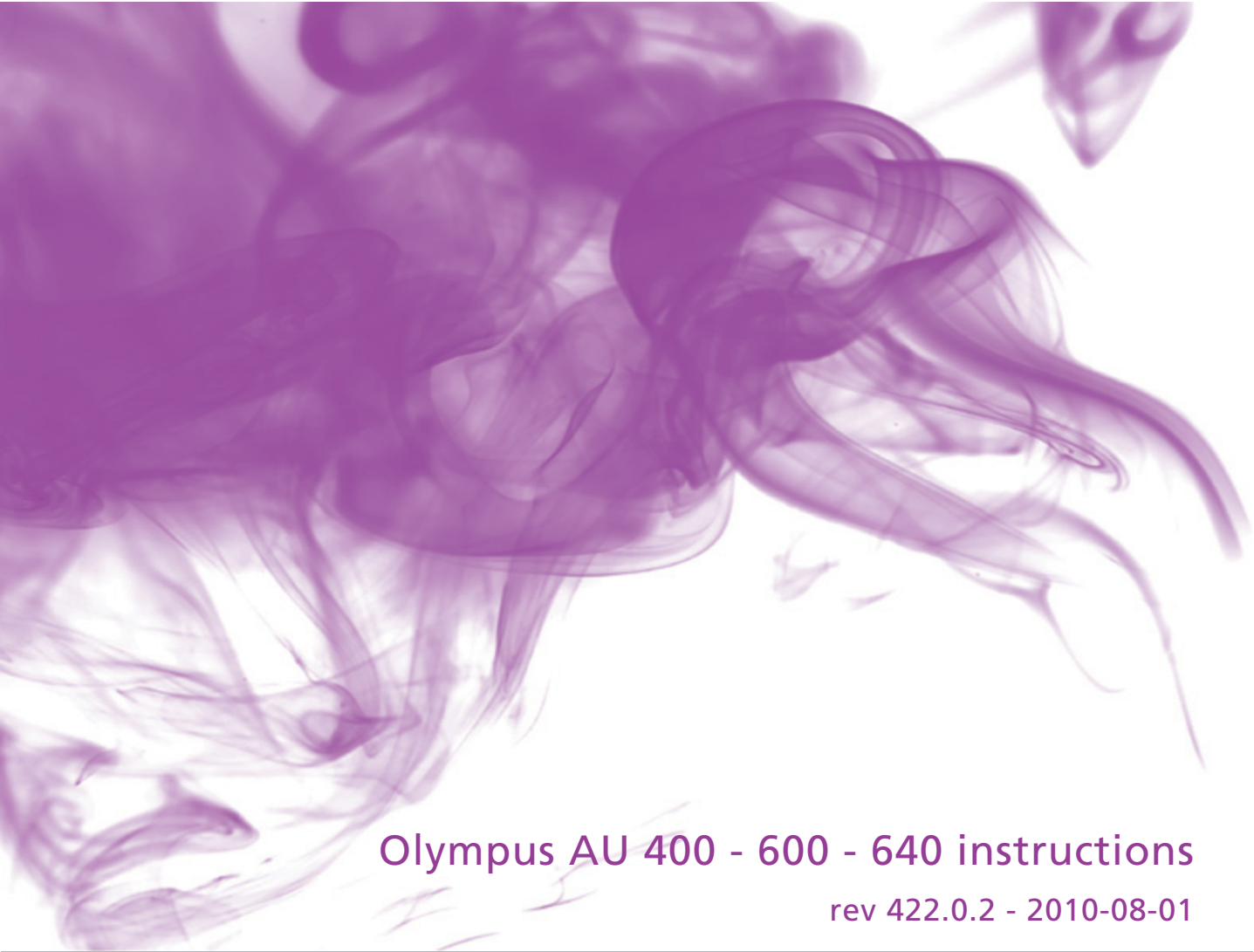




Olympus AU 400 - 600 - 640 instructions

rev 422.0.2 - 2010-08-01

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D I A G N O S T I C A

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Olympus AU 400 - 600 - 640 instructions

rev 422.0.2 - 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: Olympus AU 400 - 600 - 640Application: **ACID PHOSPHATASE** - Codes AC 0120 TC

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

Storage: REFRIGERATE AT 2-8°C

TEST NAME: ACP

Sample:	Volume	20 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 800	Min OD		Max OD
Method:	RATE		L	- 0.1	H 2.5

Reaction slope: +

Reagent OD limit:

First L	- 0.1	First H	0.3
Last L	- 0.1	First H	0.3

Measuring point 1: First 12 Last 27

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 1 H 60

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 853

Analyzer: Olympus AU 400 - 600 - 640Application: **ALBUMIN** - Codes BC 0100 / 0500 / 1000 / 1500 CH

Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE (2-8°C)

Stability: AS INDICATED IN THE LABEL

TEST NAME: ALB

Sample:	Volume	2 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 600	Sec. 800	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First 0 Last 4

Measuring point 2: First Last

Linearity:

No Lag Time: YES

Dynamic range:

L 0.1 H 6.0

Correlation factor:

A 1 B 0

On-board stability period: 90

Unit: g/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **ALKALINE PHOSPHATASE FL (IFCC)** - Codes AF F080 / 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

TEST NAME: ALP

Sample:	Volume	5 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 480	Min OD		Max OD
Method:	RATE		L	-0.1	H 2.5

Reaction slope: +

Reagent OD limit:

First L -0.1 First H 1.5

Last L -0.1 First H 1.5

Measuring point 1: First 13 Last 19

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 5 H 3000

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: U/L

Factor: 2757

Analyzer: Olympus AU 400 - 600 - 640Application: **ALKALINE PHOSPHATASE (DGKC) FL** - Codes AL F080 / 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

TEST NAME: ALP

Sample:	Volume	5 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 480	Min OD		Max OD
Method:	RATE		L	- 0.1	H 2.0

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 1.2

Last L - 0.1 First H 1.2

Measuring point 1: First 20 Last 24

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 7 H 3000

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 2757

Analyzer: Olympus AU 400 - 600 - 640Application: **AMYLASE FL** - Codes AM F060 / F120 / F245 CH

Preparation: R1 - LIQUID READY TO USE SINGLE REAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

TEST NAME: AMY

Sample:	Volume	6 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	240 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 480	Min OD		Max OD
Method:	RATE		L	- 0.1	H 2.0

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.3

Last L - 0.1 First H 0.3

Measuring point 1: First 5 Last 10

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 10 H 3000

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 3178

Analyzer: Olympus AU 400 - 600 - 640

Application: **AMYLASE EPS FL** - Codes EA 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 NAME: AMY

Sample:	Volume	8 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	192 µl	Dilution	0 µl	
	R2 volume	48 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 480	Min OD		Max OD
Method:	RATE		L	- 0.1	H 2.0

Reaction slope: +

Reagent OD limit:

First L	- 0.1	First H	0.3
Last L	- 0.1	First H	0.3

Measuring point 1: First 20 Last 27

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 6 H 1500

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 3480

Analyzer: Olympus AU 400 - 600 - 640Application: **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 NAME: AMYP

Sample:	Volume	5 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 480	Min OD		Max OD
Method:	RATE		L	- 0.1	H 2.0

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.3

Last L - 0.1 First H 0.3

Measuring point 1: First 20 Last 27

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 2 H 2500

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 3480

Analyzer: Olympus AU 400 - 600 - 640Application: **BICARBONATE FL** - Code 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 NAME: C02

Sample:	Volume	2.5 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	250 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 480	Min OD		Max OD
Method:	FIXED		L	0.1	H 2.5

Reaction slope: -

Reagent OD limit:

First L - 2.0 First H 2.5

Last L - 2.0 First H 2.5

Measuring point 1: First 1 Last 9

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 1 H 50

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: mmol/L

Analyzer: Olympus AU 400 - 600 - 640Application: **BILIRUBIN TOTAL FL** - Code DT F125 / F500 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 NAME: BILT

Sample:	Volume	10 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 520	Sec. 800	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First Last 27

Measuring point 2: First Last 10

Linearity:

Dynamic range:

No Lag Time:

L 0.05 H 20

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **BILIRUBIN DIRECT FL** - Code DD F125 / F500 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 NAME: BILD

Sample:	Volume	10 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 540	Sec. 660	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First Last 27

Measuring point 2: First Last 10

Linearity:

Dynamic range:

No Lag Time:

L 0.05 H 20

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **CALCIUM** - Code CA 0305 / 0505 CH

Preparation: 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

TEST NAME: CA

Sample:	Volume	5 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	145 µl	Dilution	0 µl	
	R2 volume	145 µl	Dilution	0 µl	

Wavelength:	Pri. 570	Sec. 660	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 1.2

Measuring point 1: First Last 27

Measuring point 2: First Last 10

Linearity:

Dynamic range:

No Lag Time:

L 0.1 H 20

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640

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 NAME: CA

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 660	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L	- 0.1	First H	2.0
Last L	- 0.1	First H	2.0

Measuring point 1: First	Last 10
Measuring point 2: First	Last

Linearity:
 No Lag Time:

Dynamic range:
 L 0.2 H 20

Correlation factor:
 A 1 B 0

On-board stability period: 90

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **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 NAME: CHOL

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 520	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 1 H 700

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **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

Storage: REFRIGERATE AT 2-8°C

Stability: 60 DAYS OPEN BOTTLES

TEST NAME: HDLC

Sample:	Volume	2 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	180 µl	Dilution	0 µl	
	R2 volume	60 µl	Dilution	0 µl	

Wavelength:	Pri. 600	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.3

Last L - 0.1 First H 0.3

Measuring point 1: First 0 Last 27

Measuring point 2: First 0 Last 10

Linearity:

No Lag Time:

Dynamic range:

L 1 H 220

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **LDL direct FL-** Code DL F080 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: 60 DAYS OPEN BOTTLES

TEST NAME: LDLC

Sample:	Volume	2 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	180 µl	Dilution	0 µl	
	R2 volume	60 µl	Dilution	0 µl	

Wavelength:	Pri. 600	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.3

Last L - 0.1 First H 0.3

Measuring point 1: First 0 Last 27

Measuring point 2: First 0 Last 10

Linearity:

Dynamic range:

No Lag Time:

L 1 H 400

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **CHOLINESTERASE FL (DGKC)** - Codes CH 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 NAME: CHE

Sample:	Volume	4 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	40 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 480	Min OD		Max OD
Method:	RATE		L	0.4	H 2.5

Reaction slope: -

Reagent OD limit:

First L 1.1 First H 2.2

Last L 1.1 First H 2.2

Measuring point 1: First 16 Last 20

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 0.4 H 25*

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 66*

* NOTE: results in kU/L

Analyzer: Olympus AU 400 - 600 - 640

Application: **CK-NAC FL** - Codes CK F060 / F120 / 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 NAME: CK

Sample:	Volume	10 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 340	Sec. 660	Min OD		Max OD
Method:	RATE		L	-0.1	H 2.0

Reaction slope: +

Reagent OD limit:

First L	-0.1	First H	0.5
Last L	-0.1	First H	0.5

Measuring point 1: First 21 Last 27

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 1 H 1000

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 4127

Analyzer: Olympus AU 400 - 600 - 640Application: **CK-MB FL** - Codes MB F060 / F120 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 NAME: CKMB

Sample:	Volume	10 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 340	Sec. 660	Min OD		Max OD
Method:	RATE		L	-0.1	H 2.0

Reaction slope: +

Reagent OD limit:

First L -0.1 First H 0.5

Last L -0.1 First H 0.5

Measuring point 1: First 21 Last 27

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 2 H 1000

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 8254

Analyzer: Olympus AU 400 - 600 - 640Application: **COPPER** - Code CU 0100 CH

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

Storage: ROOM TEMPERATURE - DO NOT REFRIGERATE IF POSSIBLE

Stability: 2 WEEKS

TEST NAME: CU

Sample:	Volume	20 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 600	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 4 H 500

Correlation factor:

A 1 B 0

On-board stability period: 10

Unit: microg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **CREATININE** - Code CR 0500 / 1000 / 1500 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

TEST NAME: CREA

Sample:	Volume	20 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	145 µl	Dilution	0 µl	
	R2 volume	145 µl	Dilution	0 µl	

Wavelength:	Pri. 520	Sec. 800	Min OD		Max OD
Method:	FIXED		L	- 0.1	H 2.5

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First 20 Last 24

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 0.2 H 20

Correlation factor:

A 1 B 0

On-board stability period: 14

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **GAMMA-GT FL** - Codes GT F080 / 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

TEST NAME: GGT

Sample:	Volume	25 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 410	Sec. 480	Min OD		Max OD
Method:	RATE		L	-0.1	H 2.0

Reaction slope: +

Reagent OD limit:

First L -0.1 First H 1.5

Last L -0.1 First H 1.5

Measuring point 1: First 14 Last 23

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 2 H 800

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: U/L

Factor: 1571

Analyzer: Olympus AU 400 - 600 - 640Application: **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 NAME: GLUC

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 520	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L	- 0.1	First H	0.5
Last L	- 0.1	First H	0.5

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 1 H 500

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **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

TEST NAME: GLUC

Sample:	Volume	2.5 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 340	Sec. 380	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First Last 27

Measuring point 2: First Last 10

Linearity:

Dynamic range:

No Lag Time:

L 1 H 700

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **GOT/AST FL** - Codes GO F080 / 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

TEST NAME: GOT

Sample:	Volume	25 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 340	Sec. 660	Min OD		Max OD
Method:	RATE		L	0.7	H 2.5

Reaction slope: -

Reagent OD limit:

First L 1.0 First H 2.5

Last L 1.0 First H 2.5

Measuring point 1: First 14 Last 27

Measuring point 2: First Last

Linearity: 20%

No Lag Time: YES

Dynamic range:

L 2 H 440

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: U/L

Factor: 1746

Analyzer: Olympus AU 400 - 600 - 640Application: **GPT/ALT FL** - Codes GP F060 / 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

TEST NAME: GPT

Sample:	Volume	25 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 340	Sec. 660	Min OD		Max OD
Method:	RATE		L	0.7	H 2.5

Reaction slope: -

Reagent OD limit:

First L 1.0 First H 2.5

Last L 1.0 First H 2.5

Measuring point 1: First 14 Last 27

Measuring point 2: First Last

Linearity: 20%

No Lag Time: YES

Dynamic range:

L 2 H 440

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: U/L

Factor: 1746

Analyzer: Olympus AU 400 - 600 - 640Application: **IRON FZ** - Codes FE F245 / F400 CHPreparation: R1 - INSTALL REAGENT A AFTER PREPARATION
R2 - INSTALL LIQUID READY TO USE REAGENT B

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

TEST NAME: FE

Sample:	Volume	50 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 570	Sec. 800	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L	- 0.1	First H	0.3
Last L	- 0.1	First H	0.3

Measuring point 1: First 0 Last 12

Measuring point 2: First 0 Last 10

Linearity:

No Lag Time:

Dynamic range:

L 25 H 1000

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: microg/dl

Analyzer: Olympus AU 400 - 600 - 640

Application: **LDH FL** - Codes LD F060 / F120 / 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 NAME: LDH

Sample:	Volume	4 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 340	Sec. 380	Min OD		Max OD
Method:	RATE		L	0.7	H 2.5

Reaction slope: -

Reagent OD limit:

First L	1.0	First H	2.5
Last L	1.0	First H	2.5

Measuring point 1: First	12	Last	27
Measuring point 2: First		Last	

Linearity: 20%
 No Lag Time: YES

Dynamic range:
 L 30 H 2000

Correlation factor:
 A 1 B 0

On-board stability period: 30

Unit: U/L

Factor: 8015

Analyzer: Olympus AU 400 - 600 - 640Application: **LIPASE FL** - Code LP F080 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 NAME: ALP

Sample:	Volume	4 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 570	Sec. 800	Min OD		Max OD
Method:	RATE		L	-0.1	H 2.5

Reaction slope: +

Reagent OD limit:

First L -0.1 First H 0.8

Last L -0.1 First H 0.8

Measuring point 1: First 13 Last 19

Measuring point 2: First Last

Linearity: 20%

No Lag Time: NO

Dynamic range:

L 3 H 300

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: U/L

Analyzer: Olympus AU 400 - 600 - 640

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

TEST NAME: MG

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	145 µl	Dilution	0 µl	
	R2 volume	145 µl	Dilution	0 µl	

Wavelength:	Pri. 520	Sec. 800	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L	0.3	First H	2.0
Last L	0.3	First H	2.0

Measuring point 1: First Last 27

Measuring point 2: First Last 10

Linearity:

No Lag Time:

Dynamic range:

L 0.1 H 8

Correlation factor:

A 1 B 0

On-board stability period: 14

Unit: mEq/l

Analyzer: Olympus AU 400 - 600 - 640Application: **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 NAME: MG

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 520	Sec. 800	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L 0.3 First H 2.0

Last L 0.3 First H 2.0

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 0.3 H 6

Correlation factor:

A 1 B 0

On-board stability period: 14

Unit: mEq/l

Analyzer: Olympus AU 400 - 600 - 640

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

TEST NAME: PHOS

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 340	Sec. 380	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L	- 0.1	First H	0.5
Last L	- 0.1	First H	0.5

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 0.4 H 20

Correlation factor:

A 1 B 0

On-board stability period: 90

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640

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 NAME: HS

Sample:	Volume	2 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 600	Sec. 800	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L	- 0.1	First H	0.5
Last L	- 0.1	First H	0.5

Measuring point 1: First	Last 27
Measuring point 2: First	Last

Linearity:
 No Lag Time:

Dynamic range:
 L 0.3 H 500

Correlation factor:
 A 1 B 0

On-board stability period: 90

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **TOTAL PROTEINS** - Codes TP 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 NAME: TP

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 540	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

Dynamic range:

No Lag Time:

L 0.1 H 12

Correlation factor:

A 1 B 0

On-board stability period: 30

Unit: g/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **TRIGLYCERIDES FL** - Code TR F100 / F400 / 100F / 150F CH

Preparation: R1 - LIQUID READY TO USE SINGLE RAGENT

Storage: REFRIGERATE AT 2-8°C

Stability: AS INDICATED IN THE LABEL

TEST NAME: TRIG

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 520	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L	- 0.1	First H	0.5
Last L	- 0.1	First H	0.5

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 1 H 1000

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **UREA UV FL** - Codes AZ F080 / 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

TEST NAME: UREA

Sample:	Volume	3 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 340	Sec. 660	Min OD		Max OD
Method:	RATE		L	1.0	H 2.5

Reaction slope: -

Reagent OD limit:

First L 1.2 First H 2.5

Last L 1.2 First H 2.5

Measuring point 1: First 12 Last 18

Measuring point 2: First Last

Linearity: 25%

No Lag Time: YES

Dynamic range:

L 1 H 300

Correlation factor:

A 1 B 0

On-board stability period: 60

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **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 NAME: UA

Sample:	Volume	10 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 540	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

Dynamic range:

No Lag Time:

L 0.2 H 25

Correlation factor:

A 1 B 0

On-board stability period: 90

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **URIC ACID AOX FL** - Codes AX F100 / F250 / 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

TEST NAME: UA

Sample:	Volume	10 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	200 µl	Dilution	0 µl	
	R2 volume	50 µl	Dilution	0 µl	

Wavelength:	Pri. 540	Sec. 700	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.5

Last L - 0.1 First H 0.5

Measuring point 1: First Last 27

Measuring point 2: First Last 10

Linearity:

Dynamic range:

No Lag Time:

L 0.1 H 35

Correlation factor:

A 1 B 0

On-board stability period: 90

Unit: mg/dl

Analyzer: Olympus AU 400 - 600 - 640Application: **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 NAME: ZN

Sample:	Volume	15 µl	Dilution	0 µl	Pre-dilution Rate: 1
Reagents:	R1 volume	295 µl	Dilution	0 µl	
	R2 volume	0 µl	Dilution	0 µl	

Wavelength:	Pri. 570	Sec. 800	Min OD	Max OD
Method:	END		L	H

Reaction slope: +

Reagent OD limit:

First L - 0.1 First H 0.8

Last L - 0.1 First H 0.8

Measuring point 1: First Last 27

Measuring point 2: First Last

Linearity:

No Lag Time:

Dynamic range:

L 5 H 1000

Correlation factor:

A 1 B 0

On-board stability period: 10

Unit: microg/dl