Furuno CA-180 / ILab 350 / RX Daytona instructions

rev 420.0.2 - 2010-08-01

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Warning!

These programs should be used only as guideline. To check the reagent correct setting on the instrument, use only good quality control sera and work accordingly to with good laboratory practice. Instrumental factor must be checked. Chema Diagnostica will not be responsible for instrumental bad programming.

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	ACID PHOSPHATASE
Kit codes and sizes:	AC 0120 TC 20 x 6 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method
Name ACPT

Unit U/L
Assay Type rate

R1
Reagent Name ACPT **Volume** 200 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 12 **end** 23

Decimal Points 1
Normal Range 0 4.6

Wavelenght
Prim 405 **Sec**

Technical Range (Conc) 0.2 50
mAbs/10 -30000/30000

Sampling Volume 20 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 20 ul
Dilution enable
15 ul 135 ul
Rerun (Low) 30ul

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** **
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
Reagent blank (system water)

Multiplex measurement is the same as standards
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** ACPT **Interval** N/A **days**
Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 743

REAGENT REGISTRATION

Reagent Code to define
Reagent Name ACPT

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable		days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	ALBUMIN
Kit codes and sizes:	BC 0100 CH 2 x 50 ml
	BC 0500 CH 4 x 125 ml
	BC 1000 CH 4 x 250 ml
	BC 1500 CH 6 x 250 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method	
Name	ALB
Unit	
Assay Type	

R1

Reagent Name	ALB	**Volume**	230 ul
R2	disable		
Reagent Name		**Volume**	
Wash	disable	**Reagent Name**	
		Reagent Type	
Diluent	disable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	1
		end			
	2 enable	**start**	2	**Normal Range**	4.2 — 5.5
		end	3		

Wavelenght					
Prim	600	**Sec**	700	**Technical Range (Conc)**	0.1 — 6.0
				mAbs/10	-30000/30000
Sampling Volume	3 ul				
Dilution	disable			**RPT Wash** (R1)	Sys water
				(R2)	Sys water
Rerun (High)	2 ul				
Dilution	enable			**Instrument Factor** **a**	1 **b** 0
				Stirring Speed R1	Mid R2 Mid
Rerun (Low)	6 ul				

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	**		X	Enable reagent blank
	SL1-S	**	SL1-F **	**Reagent blank measurement at calibration**	
	SL2-S	**	SL2-F **		
	Sens	**	mAbs/10		Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** ALB | **Interval** 30 **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: ALB

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable		days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	ALKALINE PHOSPHATASE FL DGKC
Kit codes and sizes:	AL F080 CH 4 x 20 ml AL F245 CH 12 x 20 ml AL F400 CH 8 x 50 ml AL F600 CH 5 x 120 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package (SAMPLE START PROCEDURE)
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method
Name ALPD

Unit
Assay Type

R1
Reagent Name ALPD **Volume** 210 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 3 **end** 11

Decimal Points 0
Normal Range 0 270

Wavelenght
Prim 405 **Sec**

Technical Range (Conc) 4 2000
mAbs/10 -30000/30000

Sampling Volume 5 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 10 ul
Dilution enable
15 ul 135 ul
Rerun (Low) 10 ul

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** **
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
Reagent blank (system water)

Multiplex measurement is the same as standards
Reagent blank limit checks
** Duplicate limit mAbs/10

CALIBRATION

Method **Name** ALPD **Interval** N/A **days**
Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 2330

REAGENT REGISTRATION

Reagent Code to define
Reagent Name ALPD

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	ALKALINE PHOSPHATASE FL IFCC
Kit codes and sizes:	AF F080 CH 4 x 20 ml AF F245 CH 12 x 20 ml AF F400 CH 8 x 50 ml AF F600 CH 5 x 120 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package (SAMPLE START PROCEDURE)
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method
Name ALPL

Unit U/L
Assay Type Rate

R1
Reagent Name ALPL **Volume** 210 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent enable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 3 **end** 11

Decimal Points 0
Normal Range 35 104

Wavelenght
Prim 405 **Sec**

Technical Range (Conc) 4 3000
mAbs/10 -30000/30000

Sampling Volume 5 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 10 ul
Dilution enable
15 ul 135 ul
Rerun (Low) 10 ul

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable S1 blank
Reagent blank measurement at calibration
Reagent blank (system water)

Multiplex measurement is the same as standards
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** ALPL **Interval** N/A **days**
Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 2330

REAGENT REGISTRATION

Reagent Code to define
Reagent Name ALPL

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	AMYLASE FL
Kit codes and sizes:	AM F060 CH 6 x 10 ml
	AM F120 CH 12 x 10 ml
	AM F245 CH 12 x 20 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method
Name AMY

Unit U/L
Assay Type Rate

R1
Reagent Name AMY **Volume** 200 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent enable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 5 **end** 14

Decimal Points 0
Normal Range 0 96

Wavelenght
Prim 405 **Sec**

Technical Range (Conc) 0 1300
mAbs/10 -30000/30000

Sampling Volume 4 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 8 ul
Dilution enable
15 ul 135 ul
Rerun (Low) 8 ul

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable S1 blank
Reagent blank measurement at calibration
Reagent blank (system water)

Multiplex measurement is the same as standards
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** AMY **Interval** 30 **days**
Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 3953

REAGENT REGISTRATION

Reagent Code to define
Reagent Name AMY

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	AMYLASE EPS FL IFCC
Kit codes and sizes:	EA F080 CH 4 x 20 ml
	EA F245 CH 12 x 20 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
	(REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	AME	**Reagent Name**	AME	**Volume**	200 ul
		R2	enable		
		Reagent Name	AME2	**Volume**	50 ul
		Wash	disable	**Reagent Name**	
Unit	U/L			**Reagent Type**	
Assay Type	Rate	**Diluent**	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	19	**Normal Range**	28	100
		end	26			

Wavelenght						
Prim	405	**Sec**		**Technical Range (Conc)**	2	1500
				mAbs/10	-30000/30000	
Sampling Volume	8 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	4 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
	15 ul	135 ul		**Stirring Speed**	R1 Mid	R2 Mid
Rerun (Low)	16 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10		Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** AME | **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 3480

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: AME

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2	X	Enable		ml		ml	X	Enable	14	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	ISO-AMYLASE PANCREATIC EPS FL IFCC
Kit codes and sizes:	PA F080 CH 4 x 20 ml
	PA F245 CH 12 x 20 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
	(REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	PANC	**Reagent Name**	PANC	**Volume**	200 ul
		R2	enable		
		Reagent Name	PANC2	**Volume**	50 ul
		Wash	disable	**Reagent Name**	
Unit	U/L			**Reagent Type**	
Assay Type	Rate	**Diluent**	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	19	**Normal Range**	13	53
		end	26			

Wavelenght					
Prim	405	**Sec**		**Technical Range (Conc)**	2	2500
				mAbs/10	-30000/30000
Sampling Volume	5 ul				
Dilution	disable			**RPT Wash** (R1)	Sys water
				(R2)	Sys water
Rerun (High)	4 ul				
Dilution	enable			**Instrument Factor** **a**	1	**b** 0
	15 ul	135 ul		**Stirring Speed** R1	Mid	R2 Mid
Rerun (Low)	16 ul				

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10		Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** PANC | **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 6280

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: PANC

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2	X	Enable		ml		ml	X	Enable	14	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	BICARBONATE FL
Kit codes and sizes:	BR F060 CH 6 x 10 ml
	BR F245 CH 12 x 20 ml
	BR F400 CH 4 x 100 ml
Preparation and stability:	ready to use
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method		**R1**			
Name	CO2	**Reagent Name**	CO2	**Volume**	300 ul
		R2	disable		
		Reagent Name		**Volume**	
		Wash	disable	**Reagent Name**	
Unit	mmol/l			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	11	**Normal Range**	22	29
		end	12			

Wavelenght						
Prim	405	**Sec**	700	**Technical Range (Conc)**	1	50
				mAbs/10	-30000/30000	

Sampling Volume	3 ul						
Dilution	disable			**RPT Wash**	(R1)	Sys water	
					(R2)	Sys water	
Rerun (High)	2 ul						
Dilution	enable			**Instrument Factor**	**a**	1	**b** 0
				Stirring Speed	R1	Mid	R2 Mid
Rerun (Low)	6 ul						

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	
**	**Sensitivity Limit**	**	mAbs/10	
**	**Linearity Limit**	**	%	
**	**Prozone Limit**	** upper		
	SL1-S	** SL1-F **		
	SL2-S	** SL2-F **		
	Sens	**	mAbs/10	
X	**Absorbance Limit**			
	Reaction	Decrease		
	Limit	25000	mAbs/10	

Sampling method for standards

	Duplicate
X	Triplicate

Blank measurement

X Enable reagent blank

Reagent blank measurement at calibration

X Reagent blank (system water)

Multiplex measurement is the same as standards

Reagent blank limit checks

** Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** CO2 | **Interval** 30 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: CO2

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	BILIRUBIN TOTAL FL
Kit codes and sizes:	DT F125 CH 5 x 25 ml
	DT F500 CH 10 x 50 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method
Name BILT

Unit mg/dl
Assay Type End

R1
Reagent Name BILT **Volume** 200 ul
R2 enable
Reagent Name BILT2 **Volume** 50 ul
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 enable** **start** 12 **end** 13
2 enable **start** 19 **end** 20

Decimal Points 1

Normal Range 0.2 1.0

Wavelenght
Prim 510 **Sec**

Technical Range (Conc) 0.1 20
mAbs/10 -30000/30000

Sampling Volume 10 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 5 ul
Dilution enable

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 20 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

** **Multiplex measurement is the same as standards**
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** BILT **Interval** 14 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name BILT

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	21	days
R2	X	Enable		ml		ml	X	Enable	21	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	BILIRUBIN DIRECT FL
Kit codes and sizes:	DD F125 CH 5 x 25 ml
	DD F500 CH 10 x 50 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method
Name BILD

Unit mg/dl
Assay Type End

R1
Reagent Name BILD **Volume** 200 ul
R2 enable
Reagent Name BILD2 **Volume** 50 ul
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 enable** **start** 12 **end** 13
2 enable **start** 19 **end** 20

Decimal Points 2

Normal Range 0.00 0.20

Wavelenght
Prim 546 **Sec**

Technical Range (Conc) 0.1 20
mAbs/10 -30000/30000

Sampling Volume 10 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 5 ul
Dilution enable

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 20 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

** **Multiplex measurement is the same as standards**
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** BILD **Interval** 14 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name BILT

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	21	days
R2	X	Enable		ml		ml	X	Enable	21	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	CALCIUM
Kit codes and sizes:	CA 0305 CH 6 x 50 ml
	CA 0505 CH 4 x 125 ml
Preparation and stability:	R1 - use reagent B ready to use
	R2 - use reagent A ready to use
Storage:	2-25°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	CA	**Reagent Name**	CA	**Volume**	180 ul
		R2	enable		
		Reagent Name	CA2	**Volume**	180 ul
		Wash	disable	**Reagent Name**	
Unit	mg/dl			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 enable**	**start**	12	**Decimal Points**	1	
		end	13			
	2 enable	**start**	19	**Normal Range**	8.6	10.3
		end	20			

Wavelenght						
Prim	570	**Sec**	700	**Technical Range (Conc)**	0.5	25
				mAbs/10	-30000/30000	
Sampling Volume	10 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	5 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
				Stirring Speed	R1 Mid	R2 Mid
Rerun (Low)	18 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** CA | **Interval** 3 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: CA

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2	X	Enable		ml		ml	X	Enable	30	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	CALCIUM ASX
Kit codes and sizes:	CA 0100 CH 2 x 50 ml
	CA 0500 CH 4 x 125 ml
Preparation and stability:	ready to use
Storage:	2-25°C
Install in:	R1

Chemistry parameters

Method
Name CAX

Unit mg/dl
Assay Type End

R1
Reagent Name CAX **Volume** 300 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 25 **end** 26

Decimal Points 1
Normal Range 8.6 10.3

Wavelenght
Prim 660 **Sec** 700

Technical Range (Conc) 0.2 20.0
mAbs/10 -30000/30000

Sampling Volume 3 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 2 ul
Dilution enable

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 6 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

Multiplex measurement is the same as standards

Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** CAX **Interval** 30 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name CAX

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	CHOLESTEROL FL
Kit codes and sizes:	CT F100 CH 2 x 50 ml
	CT F400 CH 4 x 100 ml
	CT 100F CH 4 x 250 ml
	CT 150F CH 6 x 250 ml
Preparation and stability:	ready to use
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method
Name CHOL

Unit mg/dl
Assay Type End

R1
Reagent Name CHOL **Volume** 300 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 25 **end** 26

Decimal Points 0
Normal Range 140 220

Wavelenght
Prim 510 **Sec** 700

Technical Range (Conc) 10 700
mAbs/10 -30000/30000

Sampling Volume 3 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 2 ul
Dilution enable

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 6 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

Multiplex measurement is the same as standards
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** CHOL **Interval** 14 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name CHOL

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	HDL DIRECT FL
Kit codes and sizes:	HD F080 CH 4 x 20 ml
	HD F245 CH 12 x 20 ml
	HD F400 CH 4 x 100 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	HDL	**Reagent Name**	HDL	**Volume**	300 ul
		R2	enable		
		Reagent Name	HDL2	**Volume**	100 ul
		Wash	disable	**Reagent Name**	
Unit	mg/dl			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 enable**	**start**	12	**Decimal Points**	0	
		end	13			
	2 enable	**start**	25	**Normal Range**	35	79
		end	26			

Wavelenght						
Prim	600	**Sec**	700	**Technical Range (Conc)**	5	300
				mAbs/10	-30000/30000	
Sampling Volume	3 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	2 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
				Stirring Speed	R1 Mid	R2 Mid
Rerun (Low)	6 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** HDL | **Interval** 14 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: HDL

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2	X	Enable		ml		ml	X	Enable	30	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	LDL DIRECT FL
Kit codes and sizes:	DL F080 CH 4 x 20 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	LDL	**Reagent Name**	LDL	**Volume**	300 ul
		R2	enable		
		Reagent Name	LDL2	**Volume**	100 ul
		Wash	disable	**Reagent Name**	
Unit	mg/dl			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 enable**	**start**	12	**Decimal Points**	0	
		end	13			
	2 enable	**start**	25	**Normal Range**	76	218
		end	26			

Wavelenght						
Prim	600	**Sec**	700	**Technical Range (Conc)**	5	400
				mAbs/10	-30000/30000	
Sampling Volume	3 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	2 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
				Stirring Speed	R1 Mid	R2 Mid
Rerun (Low)	6 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** LDL | **Interval** 14 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: LDL

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2	X	Enable		ml		ml	X	Enable	30	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	CK-NAC FL
Kit codes and sizes:	CK F060 CH 6 x 10 ml
	CK F120 CH 12 x 10 ml
	CK F245 CH 12 x 20 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
	(REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	CK	**Reagent Name**	CK	**Volume**	160 ul
		R2	enable		
		Reagent Name	CK2	**Volume**	40 ul
		Wash	disable	**Reagent Name**	
Unit	U/L			**Reagent Type**	
Assay Type	Rate	**Diluent**	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	19	**Normal Range**	24	204
		end	26			

Wavelenght						
Prim	340	**Sec**		**Technical Range (Conc)**	5	1000
				mAbs/10	-30000/30000	
Sampling Volume	8 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	8 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
	15 ul	135 ul		**Stirring Speed**	R1 Mid	R2 Mid
Rerun (Low)	16 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10		Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** CK | **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 4127

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: CK

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2	X	Enable		ml		ml	X	Enable	14	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	CK-MB FL
Kit codes and sizes:	MB F060 CH 6 x 10 ml
	MB F120 CH 12 x 10 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
	(REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	CKMB	**Reagent Name**	CKMB	**Volume**	160 ul
		R2	enable		
		Reagent Name	CKMB2	**Volume**	40 ul
		Wash	disable	**Reagent Name**	
Unit	U/L			**Reagent Type**	
Assay Type	RATE	**Diluent**	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	17	**Normal Range**	0	24
		end	26			

Wavelenght						
Prim	340	**Sec**		**Technical Range (Conc)**	3	1000
				mAbs/10	-30000/30000	
Sampling Volume	16 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	8 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
	15 ul	135 ul		**Stirring Speed**	R1 Mid	R2 Mid
Rerun (Low)	16 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10		Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** CKMB | **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 4286

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: CKMB

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2	X	Enable		ml		ml	X	Enable	14	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	CHOLINESTERASE FL
Kit codes and sizes:	CH F096 CH 4 x 24 ml
	CK F245 CH 12 x 24 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
	(REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	CHE	**Reagent Name**	CHE	**Volume**	250 ul
		R2	enable		
		Reagent Name	CHE2	**Volume**	50 ul
		Wash	disable	**Reagent Name**	
Unit	U/L			**Reagent Type**	
Assay Type	Rate	**Diluent**	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	14	**Normal Range**	5600	11200
		end	17			

Wavelenght						
Prim	405	**Sec**		**Technical Range (Conc)**	500	25000
				mAbs/10	-30000/30000	
Sampling Volume	5 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	3 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
	15 ul	135 ul		**Stirring Speed**	R1 Mid	R2 Mid
Rerun (Low)	10 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	**		X	Enable S1 blank
	SL1-S	**	SL1-F **	**Reagent blank measurement at calibration**	
	SL2-S	**	SL2-F **		
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Decrease		**Reagent blank limit checks**	
	Limit	10000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** CHE | **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K -65800

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: CHE

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2	X	Enable		ml		ml	X	Enable	14	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	COPPER
Kit codes and sizes:	CU 0100 CH 4 x 25 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package
Storage:	ROOM TEMPERATURE - DO NOT REFRIGERATE!
Install in:	R1

Chemistry parameters

Method
Name CU

Unit ug/dl
Assay Type End

R1
Reagent Name CU **Volume** 300 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 25 **end** 26

Decimal Points 0
Normal Range 70 140

Wavelenght
Prim 570 **Sec** 700

Technical Range (Conc) 5 500
mAbs/10 -30000/30000

Sampling Volume 20 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 10 ul
Dilution enable

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 20 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

** **Multiplex measurement is the same as standards**
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** CU **Interval** 14 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name CU

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	CREATININE
Kit codes and sizes:	CR 0500 CH 4 x 125 ml CR 1000 CH 4 x 250 ml CR 1500 CH 6 x 250 ml
Preparation and stability:	R1 - use reagent B ready to use R2 - use reagent A ready to use (REAGENT START PROCEDURE)
Storage:	2-25°C
Install in:	R1 R2

Chemistry parameters

Method
Name CREA

Unit mg/dl
Assay Type End

R1
Reagent Name CREA **Volume** 150 ul
R2 enable
Reagent Name CREA2 **Volume** 150 ul
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 disable** **start** 14 **end** 15
2 enable **start** 18 **end** 19

Decimal Points 1
Normal Range 0.7 1.2

Wavelenght
Prim 510 **Sec**

Technical Range (Conc) 0.2 20
mAbs/10 -30000/30000

Sampling Volume 10 ul
Dilution disable

Rerun (High) 5 ul
Dilution enable

Rerun (Low) 18 ul

RPT Wash (R1) Sys water
(R2) Sys water

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

** **Multiplex measurement is the same as standards**
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** CREA **Interval** 3 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name CREA

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	7	days
R2	X	Enable		ml		ml	X	Enable	7	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	GAMMA GT FL
Kit codes and sizes:	GT F080 CH 4 x 20 ml GT F245 CH 12 x 20 ml GT F400 CH 8 x 50 ml GT F600 CH 5 x 120 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package (SAMPLE START PROCEDURE)
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method	
Name	GGT
Unit	U/L
Assay Type	Rate

R1

Reagent Name	GGT	**Volume**	200 ul
R2	disable		
Reagent Name		**Volume**	
Wash	disable	**Reagent Name**	
		Reagent Type	
Diluent	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0
		end			
	2 enable	**start**	3	**Normal Range**	0 / 50
		end	10		

Wavelenght

Prim	405	**Sec**		**Technical Range (Conc)**	4 / 600
				mAbs/10	-30000/30000
Sampling Volume	20 ul				
Dilution	disable			**RPT Wash** (R1)	Sys water
				(R2)	Sys water
Rerun (High)	10 ul				
Dilution	enable			**Instrument Factor**	**a** 1 **b** 0
	20 ul	180 ul		**Stirring Speed**	R1 Mid R2 Mid
Rerun (Low)	30 ul				

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	
**	**Sensitivity Limit**	**	mAbs/10	
**	**Linearity Limit**	**	%	
**	**Prozone Limit**	** upper		
	SL1-S	** SL1-F **		
	SL2-S	** SL2-F **		
	Sens	**	mAbs/10	
X	**Absorbance Limit**			
	Reaction	Increase		
	Limit	25000	mAbs/10	

Sampling method for standards

	Duplicate
X	Triplicate

Blank measurement

X Enable reagent blank

Reagent blank measurement at calibration

Reagent blank (system water)

Multiplex measurement is the same as standards

Reagent blank limit checks

** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** GGT **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K 1398

REAGENT REGISTRATION

Reagent Code to define

Reagent Name GGT

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	GLUCOSE FL
Kit codes and sizes:	GL F400 CH 4 x 100 ml
	GL 100F CH 4 x 250 ml
	GL 150F CH 6 x 250 ml
Preparation and stability:	ready to use
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method
Name GLUC

Unit mg/dl
Assay Type End

R1
Reagent Name GLUC **Volume** 300 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 25 **end** 26

Decimal Points 0
Normal Range 70 105

Wavelenght
Prim 510 **Sec** 700

Technical Range (Conc) 10 500
mAbs/10 -30000/30000

Sampling Volume 3 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 2 ul
Dilution enable

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 6 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

** **Multiplex measurement is the same as standards**
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** GLUC **Interval** 14 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name GLUC

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	GOT/AST FL
Kit codes and sizes:	GO F080 CH 4 x 20 ml GO F245 CH 12 x 20 ml GO F400 CH 8 x 50 ml GO F600 CH 5 x 120 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package (SAMPLE START PROCEDURE)
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method		**R1**			
Name	GOT	**Reagent Name**	GOT	**Volume**	200 ul
		R2	disable		
		Reagent Name		**Volume**	
		Wash	disable	**Reagent Name**	
Unit	U/L			**Reagent Type**	
Assay Type	Rate	**Diluent**	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	4	**Normal Range**	0	35
		end	11			

Wavelenght						
Prim	340	**Sec**		**Technical Range (Conc)**	3	500
				mAbs/10	-30000/30000	
Sampling Volume	18 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	18 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
	15 ul	135 ul		**Stirring Speed**	R1 Mid	R2 Mid
Rerun (Low)	30 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable S1 blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10		Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Decrease		**Reagent blank limit checks**	
	Limit	7000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** GOT | **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K -1922

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: GOT

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	GPT/ALT FL
Kit codes and sizes:	GP F080 CH 4 x 20 ml GP F245 CH 12 x 20 ml GP F400 CH 8 x 50 ml GP F600 CH 5 x 120 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package (SAMPLE START PROCEDURE)
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method		**R1**			
Name	GPT	**Reagent Name**	GPT	**Volume**	200 ul
		R2	disable		
		Reagent Name		**Volume**	
		Wash	disable	**Reagent Name**	
Unit	U/L			**Reagent Type**	
Assay Type	Rate	**Diluent**	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	4	**Normal Range**	0	40
		end	11			

Wavelenght						
Prim	340	**Sec**		**Technical Range (Conc)**	3	500
				mAbs/10	-30000/30000	
Sampling Volume	18 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	18 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
	15 ul	135 ul		**Stirring Speed**	R1 Mid	R2 Mid
Rerun (Low)	30 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable S1 blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10		Reagent blank (system water)
X	**Absorbance Limit**				**Multiplex measurement is the same as standards**
	Reaction	Decrease		**Reagent blank limit checks**	
	Limit	7000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** GPT | **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K -1922

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: GPT

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	IRON FZ
Kit codes and sizes:	FE F245 CH 12 x 20 ml
	FE F400 CH 8 x 50 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B (mix B1 + B2)
	(REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	IRON	**Reagent Name**	IRON	**Volume**	160 ul
		R2	enable		
		Reagent Name	IRON2	**Volume**	40 ul
		Wash	disable	**Reagent Name**	
Unit	ug/dl			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 enable**	**start**	14	**Decimal Points**	0	
		end	15			
	2 enable	**start**	18	**Normal Range**	59	158
		end	19			

Wavelenght						
Prim	570	**Sec**	700	**Technical Range (Conc)**	10	600
				mAbs/10	-30000/30000	

Sampling Volume	30 ul						
Dilution	disable	**RPT Wash**	(R1)	Sys water			
			(R2)	Sys water			
Rerun (High)	15 ul						
Dilution	enable	**Instrument Factor**	**a**	1	**b**	0	
		Stirring Speed	R1	Mid	R2	Mid	
Rerun (Low)	30 ul						

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**			**	**Multiplex measurement is the same as standards**
	Reaction	Increase			
	Limit	25000	mAbs/10	**Reagent blank limit checks**	
				**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** IRON | **Interval** 21 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: IRON

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2	X	Enable	**	ml	**	ml	X	Enable	30	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	LDH FL
Kit codes and sizes:	LD F060 CH 6 x 10 ml
	LD F120 CH 12 x 10 ml
	LD F245 CH 12 x 20 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
	(REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method	
Name	LDH
Unit	U/L
Assay Type	Rate

R1

Reagent Name	LDH	**Volume**	160 ul
R2	enable		
Reagent Name	LDH2	**Volume**	40 ul
Wash	disable	**Reagent Name**	
		Reagent Type	
Diluent	enable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0
		end			
	2 enable	**start**	16	**Normal Range**	230 / 450
		end	21		

Wavelenght

Prim	340	**Sec**	

Technical Range (Conc) 10 / 950

mAbs/10 -30000/30000

Sampling Volume	5 ul		
Dilution	disable		
Rerun (High)	5 ul		
Dilution	enable		
	15 ul	135 ul	
Rerun (Low)	30 ul		

RPT Wash (R1) Sys water

(R2) Sys water

Instrument Factor **a** 1 **b** 0

Stirring Speed R1 Mid R2 Mid

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10
**	**Sensitivity Limit**	**	mAbs/10
**	**Linearity Limit**	**	%
**	**Prozone Limit**	** upper	
	SL1-S	** SL1-F **	
	SL2-S	** SL2-F **	
	Sens	**	mAbs/10
X	**Absorbance Limit**		
	Reaction	Decrease	
	Limit	10000	mAbs/10

Sampling method for standards

	Duplicate
X	Triplicate

Blank measurement

X Enable S1 blank

Reagent blank measurement at calibration

Reagent blank (system water)

Multiplex measurement is the same as standards

Reagent blank limit checks

** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** LDH **Interval** N/A **days**

Calculation Factor

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K -6508

REAGENT REGISTRATION

Reagent Code to define

Reagent Name LDH

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	14	days
R2	X	Enable		ml		ml	X	Enable	14	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	LIPASE FL
Kit codes and sizes:	LP F060 CH 6 x 10 ml
Preparation and stability:	R1 - use reagent A ready to use R2 - use reagent B ready to use (REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1 R2

Chemistry parameters

Method
Name LIP

Unit U/L
Assay Type Rate

R1
Reagent Name LIP **Volume** 200 ul
R2 enable
Reagent Name LIP2 **Volume** 50 ul
Wash disable **Reagent Name**
Reagent Type
Diluent enable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 22 **end** 26

Decimal Points 0
Normal Range 0 63

Wavelenght
Prim 570 **Sec**

Technical Range (Conc) 3 250
mAbs/10 -30000/30000

Sampling Volume 3 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 2 ul
Dilution enable
15 ul 135 ul
Rerun (Low) 6 ul

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable S1 blank
Reagent blank measurement at calibration
X Reagent blank (system water)

Multiplex measurement is the same as standards
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** LIP **Interval** 10 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name LIP

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	10	days
R2	X	Enable	**	ml	**	ml	X	Enable	10	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	MAGNESIUM
Kit codes and sizes:	MG 0200 CH 10 x 20 ml
	MG 0500 CH 4 x 125 ml
Preparation and stability:	R1 - use reagent B ready to use
	R2 - use reagent A ready to use
	(REAGENT START PROCEDURE)
Storage:	2-25°C
Install in:	R1
	R2

Chemistry parameters

Method		**R1**			
Name	MG	**Reagent Name**	MG	**Volume**	180 ul
		R2	enable		
		Reagent Name	MG2	**Volume**	180 ul
		Wash	disable	**Reagent Name**	
Unit	mEq/l			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 enable**	**start**	12	**Decimal Points**	1	
		end	13			
	2 enable	**start**	19	**Normal Range**	1.3	2.1
		end	20			

Wavelenght						
Prim	510	**Sec**	700	**Technical Range (Conc)**	0.5	8.0
				mAbs/10	-30000/30000	
Sampling Volume	4 ul					
Dilution	disable			**RPT Wash** (R1)	Sys water	
				(R2)	Sys water	
Rerun (High)	4 ul					
Dilution	enable			**Instrument Factor**	**a** 1	**b** 0
				Stirring Speed	R1 Mid	R2 Mid
Rerun (Low)	8 ul					

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	**		X	Enable reagent blank
	SL1-S	**	SL1-F **	**Reagent blank measurement at calibration**	
	SL2-S	**	SL2-F **		
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**			**	**Multiplex measurement is the same as standards**
	Reaction	Increase			
	Limit	25000	mAbs/10	**Reagent blank limit checks**	
				**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** MG | **Interval** 5 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: MG

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2	X	Enable	**	ml	**	ml	X	Enable	30	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	MAGNESIUM XL
Kit codes and sizes:	MX 0300 CH 6 x 50 ml
	MX 0500 CH 4 x 125 ml
Preparation and stability:	ready to use
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method		**R1**			
Name	MGXL	**Reagent Name**	MGXL	**Volume**	300 ul
		R2	disable		
		Reagent Name		**Volume**	
		Wash	disable	**Reagent Name**	
Unit	mEq/l			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	1	
		end				
	2 enable	**start**	25	**Normal Range**	1.3	2.1
		end	26			

Wavelenght						
Prim	546	**Sec**	700	**Technical Range (Conc)**	0.2	6.0
				mAbs/10	-30000/30000	

Sampling Volume	3 ul				
Dilution	disable	**RPT Wash**	(R1)	Sys water	
			(R2)	Sys water	
Rerun (High)	2 ul				
Dilution	enable	**Instrument Factor**	**a**	1	**b** 0
		Stirring Speed	R1	Mid	R2 Mid
Rerun (Low)	6 ul				

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**			**	**Multiplex measurement is the same as standards**
	Reaction	Increase			
	Limit	25000	mAbs/10	**Reagent blank limit checks**	
				**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** MGXL | **Interval** 7 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: MGXL

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable		days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	PHOSPHORUS UV
Kit codes and sizes:	PH 0100 CH 2 x 50 ml
	PH 0500 CH 4 x 125 ml
Preparation and stability:	ready to use
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method		**R1**			
Name	PHOS	**Reagent Name**	PHOS	**Volume**	300 ul
		R2	disable		
		Reagent Name		**Volume**	
		Wash	disable	**Reagent Name**	
Unit	mg/dl			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	1	
		end				
	2 enable	**start**	25	**Normal Range**	2.5	4.5
		end	26			

Wavelenght						
Prim	340	**Sec**	700	**Technical Range (Conc)**	0.2	20.0
				mAbs/10	-30000/30000	

Sampling Volume	3 ul				
Dilution	disable	**RPT Wash**	(R1)	Sys water	
			(R2)	Sys water	
Rerun (High)	2 ul				
Dilution	enable	**Instrument Factor**	**a**	1	**b** 0
		Stirring Speed	R1	Mid	R2 Mid
Rerun (Low)	6 ul				

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**			**	**Multiplex measurement is the same as standards**
	Reaction	Increase			
	Limit	25000	mAbs/10	**Reagent blank limit checks**	
				**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** PHOS | **Interval** 7 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: PHOS

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	PROTEIN TOTAL
Kit codes and sizes:	TP 0100 CH 6 x 50 ml
	TP 0500 CH 4 x 125 ml
	TP 1000 CH 4 x 250 ml
	TP 1500 CH 6 x 250 ml
Preparation and stability:	ready to use
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method		**R1**			
Name	TP	**Reagent Name**	TP	**Volume**	300 ul
		R2	disable		
		Reagent Name		**Volume**	
		Wash	disable	**Reagent Name**	
Unit	g/dl			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	1	
		end				
	2 enable	**start**	25	**Normal Range**	6.3	8.3
		end	26			

Wavelenght						
Prim	546	**Sec**	700	**Technical Range (Conc)**	0.2	12.0
				mAbs/10	-30000/30000	

Sampling Volume	3 ul						
Dilution	disable	**RPT Wash**	(R1)	Sys water			
			(R2)	Sys water			
Rerun (High)	2 ul						
Dilution	enable	**Instrument Factor**	**a**	1	**b**	0	
		Stirring Speed	R1	Mid	R2	Mid	
Rerun (Low)	6 ul						

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**			**	**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** TP | **Interval** 15 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: TP

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	TRIGLYCERIDES FL
Kit codes and sizes:	TR F100 CH 2 x 50 ml
	TR F400 CH 4 x 100 ml
	TR 100F CH 4 x 250 ml
	TR 150F CH 6 x 250 ml
Preparation and stability:	ready to use
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method
Name TRIG

Unit mg/dl
Assay Type End

R1
Reagent Name TRIG **Volume** 300 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 disable** **start** **end**
2 enable **start** 25 **end** 26

Decimal Points 0
Normal Range 10 190

Wavelenght
Prim 510 **Sec** 700

Technical Range (Conc) 3 1000
mAbs/10 -30000/30000

Sampling Volume 3 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 2 ul
Dilution enable

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 6 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

** **Multiplex measurement is the same as standards**
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** TRIG **Interval** 14 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name TRIG

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	UREA UV FL
Kit codes and sizes:	AZ F080 CH 4 x 20 ml
	AZ F245 CH 12 x 20 ml
	AZ F400 CH 8 x 50 ml
	AZ F600 CH 5 x 120 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
	(REAGENT START PROCEDURE)
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method
Name UREA

Unit mg/dl
Assay Type End

R1
Reagent Name UREA **Volume** 300 ul
R2 disable
Reagent Name **Volume**
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 enable** **start** 2 **end** 3
2 enable **start** 6 **end** 7

Decimal Points 1
Normal Range 10.0 50.0

Wavelenght
Prim 340 **Sec** 700

Technical Range (Conc) 2 300
mAbs/10 -30000/30000

Sampling Volume 3 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 6 ul
Dilution enable
15 ul 135 ul

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 6 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction decrease
Limit 10000 mAbs/10

Sampling method for standards
Duplicate
X Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

** **Multiplex measurement is the same as standards**
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** UREA **Interval** 14 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name UREA

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	30	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	URIC ACID T FL
Kit codes and sizes:	AU F400 CH 4 x 100 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method		**R1**			
Name	URIC	**Reagent Name**	URIC	**Volume**	300 ul
		R2	disable		
		Reagent Name		**Volume**	
		Wash	disable	**Reagent Name**	
Unit	mg/dl			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	1	
		end				
	2 enable	**start**	25	**Normal Range**	3.5	7.2
		end	26			

Wavelenght						
Prim	546	**Sec**	700	**Technical Range (Conc)**	0.5	25.0
				mAbs/10	-30000/30000	

Sampling Volume	10 ul						
Dilution	disable			**RPT Wash**	(R1)	Sys water	
					(R2)	Sys water	
Rerun (High)	6 ul						
Dilution	enable			**Instrument Factor**	**a**	1	**b** 0
				Stirring Speed	R1	Mid	R2 Mid
Rerun (Low)	15 ul						

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	** upper		X	Enable reagent blank
	SL1-S	** SL1-F **		**Reagent blank measurement at calibration**	
	SL2-S	** SL2-F **			
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**			**	**Multiplex measurement is the same as standards**
	Reaction	Increase		**Reagent blank limit checks**	
	Limit	25000	mAbs/10	**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** URIC | **Interval** 14 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: URIC

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	60	days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	URIC ACID AOX FL
Kit codes and sizes:	AX F100 CH 5 x 20 ml
	AX F250 CH 5 x 50 ml
	AX F600 CH 5 x 120 ml
Preparation and stability:	R1 - use reagent A ready to use
	R2 - use reagent B ready to use
Storage:	2-8°C
Install in:	R1
	R2

Chemistry parameters

Method
Name URAX

Unit mg/dl
Assay Type End

R1
Reagent Name URAX **Volume** 200 ul
R2 enable
Reagent Name URAX2 **Volume** 50 ul
Wash disable **Reagent Name**
Reagent Type
Diluent disable **Reagent Name** H2O

Measuring Points **1 enable** **start** 12 **end** 13
2 enable **start** 19 **end** 20

Decimal Points 1
Normal Range 3.5 7.2

Wavelenght
Prim 546 **Sec** 700

Technical Range (Conc) 0.1 20.0
mAbs/10 -30000/30000

Sampling Volume 12 ul
Dilution disable

RPT Wash (R1) Sys water
(R2) Sys water

Rerun (High) 8 ul
Dilution enable

Instrument Factor **a** 1 **b** 0
Stirring Speed R1 Mid R2 Mid

Rerun (Low) 16 ul

CALIBRATION CHECKS

** **Duplicate Limit** ** mAbs/10
** **Sensitivity Limit** ** mAbs/10

** **Linearity Limit** ** %

** **Prozone Limit** ** upper
SL1-S ** SL1-F **
SL2-S ** SL2-F **
Sens ** mAbs/10

X **Absorbance Limit**
Reaction Increase
Limit 25000 mAbs/10

Sampling method for standards
( ) Duplicate
(X) Triplicate

Blank measurement
X Enable reagent blank
Reagent blank measurement at calibration
X Reagent blank (system water)

** **Multiplex measurement is the same as standards**
Reagent blank limit checks
** Duplicate limit 50 mAbs/10

CALIBRATION

Method **Name** URAX **Interval** 21 **days**
Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code to define
Reagent Name URAX

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable	60	days
R2	X	Enable	**	ml	**	ml	X	Enable	60	days

** Operator definable N/A not applicable to this test

Analyzer: Furuno CA-180 / ILab 350 / RX Daytona

Application:	ZINC
Kit codes and sizes:	ZN 0125 CH 5 x 25 ml
Preparation and stability:	as indicated in manual insert sheet inside kit package
Storage:	2-8°C
Install in:	R1

Chemistry parameters

Method		**R1**			
Name	ZN	**Reagent Name**	ZN	**Volume**	300 ul
		R2	disable		
		Reagent Name		**Volume**	
		Wash	disable	**Reagent Name**	
Unit	ug/dl			**Reagent Type**	
Assay Type	End	**Diluent**	disable	**Reagent Name**	H2O

Measuring Points	**1 disable**	**start**		**Decimal Points**	0	
		end				
	2 enable	**start**	25	**Normal Range**	70	150
		end	26			

Wavelenght						
Prim	570	**Sec**	700	**Technical Range (Conc)**	5	800
				mAbs/10	-30000/30000	

Sampling Volume	15 ul						
Dilution	disable			**RPT Wash**	(R1)	Sys water	
					(R2)	Sys water	
Rerun (High)	10 ul						
Dilution	enable			**Instrument Factor**	**a**	1	**b** 0
				Stirring Speed	R1	Mid	R2 Mid
Rerun (Low)	20 ul						

CALIBRATION CHECKS

**	**Duplicate Limit**	**	mAbs/10	**Sampling method for standards**	
**	**Sensitivity Limit**	**	mAbs/10		Duplicate
				X	Triplicate
**	**Linearity Limit**	**	%		
				Blank measurement	
**	**Prozone Limit**	**		X	Enable reagent blank
	SL1-S	**	SL1-F **	**Reagent blank measurement at calibration**	
	SL2-S	**	SL2-F **		
	Sens	**	mAbs/10	X	Reagent blank (system water)
X	**Absorbance Limit**			**	**Multiplex measurement is the same as standards**
	Reaction	Increase			
	Limit	25000	mAbs/10	**Reagent blank limit checks**	
				**	Duplicate limit 50 mAbs/10

CALIBRATION

Method | **Name** ZN | **Interval** 14 **days**

Calculation Linear

	Conc	WORK	MASTER	Lot No
S1				
S2				
S3				
S4				
S5				
S6				

K N/A

REAGENT REGISTRATION

Reagent Code: to define

Reagent Name: ZN

			Volume (L)		Volume (S)		Stability Check		Term	
R1	X	Enable	**	ml	**	ml	X	Enable		days
R2		Disable		ml		ml		Disable		days

** Operator definable N/A not applicable to this test