

Photometer 505 DiaSys reagents

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meets excellent and reliable reagents.

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APPLICATION GUIDELINE

RIELE PHOTOMETER 505

List of preprogrammed applications

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APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys ALAT (GPT) FS (IFCC mod.)

Product code: 1 2701

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP11

Page 1

1	Wavelength	340
2	Factor	-1745.0
3	Temperature	37
4	Delay	60
5	Unit	U/l
6	Meas. volume	800
7	Delta	5
8	Time/Delta	36

Page 2

1	Min. value	4
2	Max. value	600
3	Min. R ²	0.99
4	Method name	ALT
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Flash mode	ON

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.
Stability: 4 weeks at 2-8 °C, 5 days at 15-25 °C.
Monoreagent must be protected from light.

	Sample/calibrator	Reagent Blank
Sample/calibrator	100 µL	-
Dist. water	-	100 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.
Incubate for 10 minutes at 37 °C
Pipette sample into the cuvette and mix.
Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Albumin FS

Product code: 1 0220

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	546
2	Standard	5.00*
3	Temperature	37
4	Delay	5
5	Unit	g/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	0.2
2	Max. value	6
3		
4	Method name	ALB
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

The reagent is ready to use.

	Sample/calibrator	Reagent blank
Sample/calibrator	10 µL	-
Dist. water	-	10 µL
Reagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 5 minutes at room temperature.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Alkaline phosphatase FS IFCC 37°

Product code: 1 0441

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP11

Page 1

1	Wavelength	405
2	Factor (Standard)	2757.0
3	Temperature	37
4	Delay	60
5	Unit	U/l
6	Meas. volume	800
7	Delta	5
8	Time/Delta	36

Page 2

1	Min. value	2
2	Max. value	700
3	Min. R ²	0.99
4	Method name	ALP
5	Multi measure	OFF
6	Wash volume	1000
7	Multi-standard	OFF
8	Bichromatic	OFF

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.

Stability: 4 weeks at 2 -8 °C, 5 days at 15-25 °C.

Monoreagent must be protected from light.

	Sample/calibrator	Reagent blank
Sample/calibrator	20 µL	-
Dist. water	-	20 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.

Incubate 10 minutes at 37 °C.

Pipette sample into the cuvette and mix.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys α -Amylase CC FS

Product code: 1 0501

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP11

Page 1

1	Wavelength	405
2	Factor	4554.0
3	Temperature	37
4	Delay	60
5	Unit	U/l
6	Meas. volume	800
7	Delta	5
8	Time/Delta	36

Page 2

1	Min. value	3
2	Max. value	1800
3	Min. R ²	0.99
4	Method name	AMY
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Flash mode	ON

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.
Stability: 6 month at 2-8 °C, 4 weeks at 15-25 °C.
Monoreagent must be protected from light.

	Sample/calibrator	Reagent blank
Sample/calibrator	20 μ L	-
Dist. water	-	20 μ L
Monoreagent	1000 μ L	1000 μ L

Pipette monoreagent into the cuvette.
Incubate 10 minutes at 37 °C.
Pipette sample into the cuvette and mix.
Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys ASAT (GOT) FS (IFCC mod.)

Product code: 1 2601

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP11

Page 1

1	Wavelength	340
2	Factor	-1745.0
3	Temperature	37
4	Delay	60
5	Unit	U/l
6	Meas. volume	800
7	Delta	5
8	Time/Delta	36

Page 2

1	Min. value	2
2	Max. value	300
3	Min. R ²	0.99
4	Method name	AST
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Flash mode	ON

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.
Stability: 4 weeks at 2-8 °C, 5 days at 15-25 °C.
Monoreagent must be protected from light.

	Sample/calibrator	Reagent blank
Sample/calibrator	100 µL	-
Dist. water	-	100 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.
Incubate 10 minutes at 37 °C.
Pipette sample into the cuvette and mix.
Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Bicarbonate FS

Product code: 1 0950

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP10

Page 1

1	Wavelength	405
2	Factor (Standard)	30.0*
3	Temperature	37
4		
5	Unit	mmol/l
6	Meas. volume	800
7	Incubation	120
8	Reaction	600

Page 2

1	Min. value	4
2	Max. value	50
3	Min. R ²	0.99
4	Method name	BICARB
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Flash mode	ON

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

The reagent is ready to use.

	Sample/calibrator	Reagent blank
Sample/calibrator	10 µL	-
Dist. water	-	10 µL
Reagent	1000 µL	1000 µL

Pipette reagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 10 minutes at room temperature.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Bilirubin Auto Direct FS

Product code: 1 0821

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP08

Page 1

1	Wavelength	546
2	Standard	0.00*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	0.03
2	Max. value	10.0
3		
4	Method name	BILD
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

* Enter calibration value. Use TruCal U for reliable results

Procedure

Measurement against reagent blank.

	Sample/calibrator	Reagent blank	Sample/Std blank
Sample/calibrator	100 µL	-	100 µL
NaCl 0.9%	-	100 µL	1250 µL
Reagent 1	1000 µL	1000 µL	
Reagent 2	250 µL	250 µL	-

Pipette according table above into the cuvette and mix.

Incubate for 10 minutes at 37 °C.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Bilirubin Auto Total FS

Product code: 1 0811

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP08

Page 1

1	Wavelength	546
2	Standard	0.00*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	0.1
2	Max. value	30.0
3		
4	Method name	BILT
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Enter calibration value. Use TruCal U for reliable results

Procedure

Measurement against reagent blank.

	Sample/calibrator	Reagent blank	Sample/std blank
Sample/calibrator	25 µL	-	25 µL
NaCl 0.9%	-	100 µL	1250 µL
Reagent 1	1000 µL	1000 µL	
Reagent 2	250 µL	250 µL	

Pipette according table above into the cuvette and mix.

Incubate for 10 minutes at 37 °C.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Calcium AS FS

Product code: 1 1130

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	660
2	Standard	10.00*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	0.04
2	Max. value	20
3		
4	Method name	CAAS
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

The reagent is ready to use.

	Sample/calibrator	Reagent blank
Sample/calibrator	10 µL	-
Dist. water	-	10 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 10 minutes at room temperature or 37 °C.

Aspirate the samples according to the order shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Cholesterol FS

Product code: 1 300

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	500
2	Standard	200.0*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	3
2	Max. value	750
3		
4	Method name	CHOL
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

The reagent is ready to use.

	Sample/calibrator	Reagent blank
Sample/calibrator	10 µL	-
Dist. water	-	10 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 10 minutes at 37 °C or 20 minutes at room temperature.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys CK-MB FS

Product code: 1 1641

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP12

Page 1

1	Wavelength	340
2	Standard	0.0*
3	Temperature	37
4	Delay	120
5	Unit	U/l
6	Meas. volume	800
7	Delta	5
8	Time/Delta	36

Page 2

1	Min. value	2
2	Max. value	2000
3	Min. R ²	0.99
4	Method name	CKMB
5	Multi measure	OFF
6	Wash volume	1000
7	Multi-standard	OFF
8	Flash mode	ON

* Enter calibration value. Use TruCal **CK-MB** for reliable results.

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.
Stability: 2 weeks at 2-8 °C, 1 day at 15-25 °C.
Monoreagent must be protected from light.

	Sample/calibrator	Reagent blank
Sample/calibrator	40 µL	-
Dist. water	-	40 µL
Mono reagent	1000 µL	1000 µL

Pipette 1000 µl monoreagent into the cuvette.
Incubate for 10 minutes at 37 °C.
Pipette 40 µl sample into the cuvette and mix.
Incubate for 3 minutes at 37°C.
Aspirate the samples according to the sequence shown on the display.

Additions and/or changes in the document are highlighted in grey.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys CK-NAC FS

Product code: 1 1601

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP12

Page 1

1	Wavelength	340
2	Standard	0.0*
3	Temperature	37
4	Delay	180
5	Unit	U/l
6	Meas. volume	800
7	Delta	5
8	Time/Delta	36

Page 2

1	Min. value	2
2	Max. value	1200
3	Min. R ²	0.99
4	Method name	CKNAC
5	Multi measure	OFF
6	Wash volume	1000
7	Multi-standard	OFF
8	Flash mode	ON

*Enter calibration value. Use TruCal U for reliable results.

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.
Stability: 3 weeks at 2-8 °C, 2 days at 15-25 °C.
Monoreagent must be protected from light.

	Sample/calibrator	Reagent blank
Sample/calibrator	40 µL	-
Dist. water	-	40 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.
Incubate 10 minutes at 37 °C.
Pipette sample into the cuvette and mix.
Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Creatinine FS

Product code: 1 1711

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP10

Page 1

1	Wavelength	500
2	Factor (Standard)	2.00*
3	Temperature	37
4		
5	Unit	mg/dl
6	Meas. volume	800
7	Incubation	60
8	Reaction	120

Page 2

1	Min. value	0.2
2	Max. value	14
3	Min. R ²	0.99
4	Method name	CREAJ
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Flash mode	ON

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.

Stability: 5 hours at 15-25 °C.

	Sample/calibrator	Reagent blank
Sample/calibrator	50 µL	-
Dist. water	-	50 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.

Incubate 10 minutes.

Pipette sample into the cuvette and mix.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Gamma-GT FS (Szasz mod./IFCC stand.)

Product code: 1 2801

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP11

Page 1

1	Wavelength	405
2	Factor	1158.0
3	Temperature	37
4	Delay	120
5	Unit	U/l
6	Meas. volume	800
7	Delta	5
8	Time/Delta	36

Page 2

1	Min. value	2
2	Max. value	1200
3	Min. R ²	0.99
4	Method name	GGT
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Flash mode	ON

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.
Stability: 4 weeks at 2-8 °C, 5 days at 15-25 °C.
Monoreagent must be protected from light.

	Sample/calibrator	Reagent blank
Sample/calibrator	100 µL	-
Dist. water	-	100 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.
Incubate 10 minutes at 37 °C.
Pipette sample into the cuvette and mix.
Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Glucose GOD FS

Product code: 1 2500

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	500
2	Standard	100.0*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	1
2	Max. value	400
3		
4	Method name	GLUCG
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

The reagent is ready to use.

	Sample/calibrator	Reagent blank
Sample/calibrator	10 µL	-
Dist. water	-	10 µL
Reagent	1000 µL	1000 µL

Pipette reagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 10 minutes at 37 °C or 20 minutes at room temperature.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Glucose Hexokinase FS

Product code: 1 2511

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	340
2	Standard	100.0*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	2
2	Max. value	500
3		
4	Method name	GLUCHK
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.

Stability: 3 month at 2-8°C, 2 weeks at 15-20°C.

Monoreagent must not be allowed to stand open.

	Sample/calibrator	Reagent blank
Sample/calibrator	10 µL	-
Dist. water	-	10 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 5 minutes at 37 °C or 10 minutes at room temperature.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys HDL-C Immuno FS

Product code: 1 3521

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP08

Page 1

1	Wavelength	578
2	Standard	0.0*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	1
2	Max. value	180
3		
4	Method name	HDLC
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Enter calibration value. Use TruCal Lipid for reliable results.

Procedure

Measurement against reagent blank.

	Sample/calibrator	Reagent blank	Sample/std blank
Sample/calibrator	10 µL	-	10 µL
NaCl 0.9%	-	10 µL	1250 µL
Reagent 1	1000 µL	1000 µL	-
Reagent 2	250 µL	250 µL	-

Pipette according table above into the cuvette and mix.

Incubate 5 minutes at 37 °C.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys LDL-C Select FS

Product code: 1 4121

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP08

Page 1

1	Wavelength	578
2	Factor (Standard)	0.0 *
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	1
2	Max. value	400
3	Min. R ²	0.99
4	Method name	LDLC
5	Multi measure	OFF
6	Wash volume	1000
7	Multi-standard	OFF
8	Bichromatic	OFF

*Enter calibration value. Use TruCal Lipid for reliable results.

Procedure

Measurement against reagent blank.

	Sample/calibrator	Reagent blank	Sample/std blank
Sample/calibrator	10 µL	-	10 µL
NaCl 0.9%	-	10 µL	1250 µL
Reagent 1	1000 µL	1000 µL	-
Reagent 2	250 µL	250 µL	-

Pipette according table above into the cuvette and mix.

Incubate for 5 minutes at 37 °C.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Magnesium XL FS

Product code: 1 4610

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	546
2	Standard	2.0*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	0.05
2	Max. value	5.0
3		
4	Method name	MG
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

The reagent is ready to use.

	Sample/calibrator	Reagent blank
Sample/calibrator	10 µL	-
Dist. water	-	10 µL
Reagent	1000 µL	1000 µL

Pipette reagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 10 minutes at 37 °C or room temperature.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Phosphate FS

Product code: 1 5211

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	340
2	Standard	5.0*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	0.2
2	Max. value	30
3		
4	Method name	PHOS
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

For monoreagent mix 4 parts R1 + 1 part R2.

Stability: 1 year at 2-8 °C.

Monoreagent must not be allowed to stand open.

	Sample/standard	Reagent Blank
Sample/standard	10 µL	-
Dist. water	-	10 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 5 minutes at 37 °C or at room temperature.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Total protein FS

Product code: 1 2311

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP08

Page 1

1	Wavelength	546
2	Standard	5.0*
3	Temperature	37
4	Delay	5
5	Unit	g/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	0.05
2	Max. value	15
3		
4	Method name	TP
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

	Sample/calibrator	Reagent blank	Sample/Std blank
Sample/calibrator	20 µL	-	20 µL
NaCl 0.9%	-	20 µL	1250 µL
Reagent 1	1000 µL	1000 µL	-
Reagent 2	250 µL	250 µL	-

Pipette according table above into the cuvette and mix.
Incubate for exactly 5 minutes at 37 °C or 10 minutes at 20-25 °C.
Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Triglycerides FS

Product code: 1 5710

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	500
2	Standard	200.0*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	2
2	Max. value	1000
3		
4	Method name	TRIG
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

	Sample/standard	Reagent Blank
Sample/standard	10 µL	-
Dist. water	-	10 µL
Reagent	1000 µL	1000 µL

Pipette reagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate for 10 minutes 37 °C or 20 minutes at room temperature.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

RIELE PHOTOMETER 505

DiaSys Urea FS

Product code: 1 3101

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	340
2	Factor (Standard)	50.0*
3	Temperature	37
4		
5	Unit	mg/dl
6	Meas. volume	800
7	Incubation	40
8	Reaction	60

Page 2

1	Min. value	2
2	Max. value	300
3	Min. R ²	0.99
4	Method name	UREA
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Flash mode	ON

*Check concentration of standard solution

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.

Stability: 4 weeks at 2-8 °C and 5 days at 15-25 °C.

Protect the mono reagent from light.

	Sample/standard	Reagent Blank
Sample/standard	10 µL	-
Dist. Water	-	10 µL
Monoreagent	1000 µL	1000 µL

Pipette monoreagent into the cuvette.

Incubate 10 minutes.

Pipette sample into the cuvette and mix.

Aspirate the samples according to the sequence shown on the display.

APPLICATION GUIDELINE

PHOTOMETER 505

DiaSys Uric acid FS TBHBA

Product code: 1 3021

Please refer to the corresponding package insert for complete information and required calibrators and controls.

This application proposal represents only a guideline. To avoid misinterpretation, results have to be validated and assessed with caution.

Settings

Method: CP06

Page 1

1	Wavelength	546
2	Standard	6.0*
3	Temperature	37
4	Delay	5
5	Unit	mg/dl
6	Meas. volume	800
7		
8		

Page 2

1	Min. value	0.07
2	Max. value	20
3		
4	Method name	UA
5	Multi measure	OFF
6	Wash volume	1000
7		
8	Bichromatic	OFF

*Check concentration of standard solution.

Procedure

Measurement against reagent blank.

For monoreagent mix 4 parts R1 + 1 part R2.

Stability: 3 month at 2-8 °C and 2 weeks at 15-25 °C.

Monoreagent must not be allowed to stand open.

	Sample/standard	Reagent Blank
Sample/standard	20 µL	-
Dist. water	-	20 µL
Monoreagent	1000 µL	1000 µL

Pipette reagent into the cuvette.

Pipette sample into the cuvette and mix.

Incubate 10 minutes at 37 °C or at room temperature.

Aspirate the samples according to the sequence shown on the display.