(AN-FB-Cobas c501/c502/c503 .EN rev 2025.02.20)



# **General Information**

# Intended use:

FOB Turbilatex® Combo is a latex turbidimetric assay for the quantitative detection of haemoglobin (faecal occult blood) in human stool samples.

This assay is simple and widely applicable. This product is optimized for several automated analyser.

For professional in vitro diagnostic use only.

#### Reagents:

# Materials provided by CerTest Biotec:

Reagents	Code			
Turbidimetric reagents (R1 &	TL-022FB01			
R2)	TL-022FB02			
Auxiliary Reagents				
	TL-022FB70,			
	TL-022FB71			
	TL-022FB72			
Calibration kit	TL-022FB73			
	TL-022FB74			
	TL-022FB75			
	TL-022FB08			
Controls kit	TL-022FB09			
Sample dilutions vials	MST-0019U			

# Preparation of reagents: .

R1 and R2 are ready to use.

Calibrators are ready to use.

Controls are ready to use

# Storage and stability:

Kit components must be stored at temperature indicated on the label. Do not freeze.

Reagents are stable up to the expiration date printed on the label, always considering that reagent containers must be properly closed to avoid any contamination, must be kept away from the sunlight and conserved at temperature indicated on the label of each reagent.

# Specimen:

Collect enough quantity of human stool samples. These samples should be collected in clean and dry containers (no preservatives or transport media). The samples can be stored in the refrigerator (2-8°C) for 3 days prior to testing. Homogenise stool samples as thoroughly as possible prior to preparation.

The sample dilution vial with diluted sample can be stored for 7 days in the refrigerator (2-8°C) prior to testing.

Use **FOB Turbilatex**® **Combo** stool collection tubes for sample collections described the instructions for use.

# Assay procedure

FOB Turbilatex® Combo can be performed on every open chemistry analyser. Please follow the subsequent instructions in order to assure performance characteristics as describes in the instructions for use. This instruction has been validated by CerTest BIOTEC S.L Laboratories.

Additionally, please read the "Instructions for use" for instructions on operating and programming user defined test.

# Application parameter set up:

Specific analyzers settings for **FOB Turbilatex**® **Combo** must be programmed onto the analyzer, see below. For instructions, consult the Cobas c501/c502/c503 (Roche) analyzer manual and instructions for use provided with the kit.

# **Loading of reagents:**

Load reagents according to the Cobas c501/c502/c503 (Roche) analyzer manual.

# **Calibration curve establishment:**

A 6-points calibration curve can be established in Cobas c501/c502/c503 (Roche) analyzer. For instructions consult analyzer manual.

#### **Calibration stability:**

Calibrate the system at least once a week is extremely recommended. Recalibrate the system when reagent lot is change or when the controls are out of the assigned range given in the control label and CoA.

# QC controls:

FOB Turbilatex® Combo controls C1 and C2 must be assayed each day before running patient fecal sample extract to validate the calibration curve. The controls have assigned value ranges indicated on the label and certificate of analysis supplied. The control measurements must be within the indicated value range to obtain valid results for patient fecal extract. If the control values are out of range, follow next procedures: 1) Repeat QC control measurement, 2) Repeat calibration measurement.

# **Results:**

The results are evaluated automatically by the analyzer and presented in ng/mL.

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The following results have been obtained during the validation of **FOB Turbilatex**® **Combo** on the Cobas c501/c502/c503 (Roche) analyzer.

# Linearity:

**FOB Turbilatex® Combo** using calibrator kit is linear in the calibration range of 40-1000 ng/mL.

# Measuring range:

**FOB Turbilatex® Combo** assay measuring range is 34.60-1953 ng hHb/mL. Samples more concentrated than 1000 ng hHb/mL must be diluted for proper quantification by the user, using additional sample buffer.

# Prozone effect:

Studies have been made up to a concentration of 1 mg of hHb/mL of stool and no false negative results have been observed. Studies using higher concentrations have not been carried out.

Samples with concentrations up to 1953 ng hHb/mL can be measured without inhibitory prozone effect.

#### **Detection limit:**

Limit of detection (LOD): 32.33 ng hHb/mL.

Limit of quantification (LOQ): 34.60 ng hHb/mL. The lower limit of quantification is defined as the lowest actual amount of analysis that can be reliably detected. The Upper Limit of Quantification, it has not been determined since the LOQ experiment has proved that there is good quantification up to the 1000 ng hHb/mL point, which is the maximum point of the FOB Turbilatex® Combo calibration curve. This point can be quantified with a coefficient of variation lower than the %CV goal (13%).

# Precision:

Within-laboratory and repeatability were determined according to CLSI EP05 using a standardised study design of 80 replicates per sample were evaluated (5 days x 4 runs x 4 replicates) and with an acceptance criterion of 20% CV.



. Mean		Repeatability		Total		
Sample	N	(ng/mL)	Sd	CV%	Sd	CV%
1	80	50.37	4.83	9.6%	5.62	11.15%
2	80	124.40	13.57	10.8%	18.62	14.87%
3	80	232.78	3.46	1.5%	11.46	4.92%
4	80	320.80	3.97	1.2%	18.44	5.75%
5	80	403.55	6.57	1.6%	43.52	10.78%
6	80	561.96	8.78	1.6%	13.16	2.34%
7	80	992.05	50.49	5.1%	51.22	5.16%

Similarly, following the CLSI EP05 recommendations for reproducibility analysis, 80 replicates per sample were evaluated with three lots (5 days  $\times$  4 runs  $\times$  4 replicates) and with an acceptance criterion of 20% CV.

Sample	e N Mean		Repeatability		Within lot		Reproducibility	
Sumple	(ng/mL)	Sd	CV%	Sd	CV%	Sd	CV%	
1	80	49.466	4.067	8.2%	7.111	14.4%	7.111	14.4%
2	80	124.443	8.666	7.0%	16.788	13.5%	17.241	13.9%
3	80	238.002	9.261	3.9%	15.706	6.6%	15.868	6.7%
4	80	323.423	2.936	0.9%	17.057	5.3%	17.372	5.4%
5	80	411.280	4.693	1.1%	39.011	9.5%	39.180	9.5%
6	80	590.760	6.462	1.1%	29.908	5.1%	48.175	8.2%
7	80	1011.871	33.099	3.3%	43.607	4.3%	45.049	4.5%

# **Method comparison**

An evaluation was performed comparing **FOB Turbilatex**® **Combo** against another commercially available turbidimetric assay, which was considered as a gold standard. This evaluation has undergone with cut-off 10 µg of hHb/g of stool:

	FOB Turbilatex® vs Evaluation criteria				
	Mean Value	95% confidence interval			
Sensitivity	87.5%	71.0-96.5%			
Specificity	97.9%	88.7-99.9%			
PPV	96.6%	82.2-99.9%			
NPV	92.0%	80.8-97.8%			
LR+	41.13	5.890-287.2			
LR-	0.128	0.051-0.320			

# **Shipping damage**

Please notify your distributor, if this product was received damaged.

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# Symbols key

IVD	For in vitro diagnostic use only	*	Keep dry
[]i	Consult instructions for use	1	Temperature limitation
REF	Catalogue number	LOT	Lot number
$\subseteq$	Use by	***	Manufacturer
$\sum_{n}$	Contains sufficient for <n> test</n>	DIL	Sample diluent
淡	Keep out of the sunlight		

# Manufacturer

# **CERTEST BIOTEC**

Pol. Industrial Río Gállego II,Calle J, N° 1, 50840, San Mateo de Gállego, Zaragoza (SPAIN) www.certest.es

# **NOTES**

Please refer to the instructions for use for the detailed information about the test on the following:  $\frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2} \left( \frac{1}{2} \int_{-\infty}^{\infty} \frac$ 

Synthesis; Principle; Precautions; Reagents; Specimen collection; Interpretation of results.

(\*) Analytical performance data were obtained with the Biolis 24 i(Tokyo Boeki) analyser.

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# Cobas c501/c502/c503, Roche/ Application parameters

R1         100µL           Sample         10 µL           R2         22 µL           Others         Stirring=3           Reaction mode         2 point end           Primary wavelength         546 nm           Secondary wavelength         800 nm           Direction         Increase           Reagent blank lecture (cycle)         12 cycle for c501/c503-8 cycle for c502           Final lecture (cycle)         37 cycle for c501/c503-24 cycle for c502           Reaction time         close to 10 min           Linear range         40-1000 ng/mL           CALIBRATION           Calibration Method         Spline           Calibration set         5 calibration set           Calibrator 1         Calibrator 2 (alibrator 1 (50 ng/mL)           Calibrator 2         Calibrator 2 (alibrator 1 (50 ng/mL)           Calibrator 3         Calibrator 3 (250 ng/mL)           Calibrator 4         Calibrator 4 (500 ng/mL)           Calibrator 5         Calibrator 5 (1000 ng/mL)           STEPS         Addition R1           Addition Sample         Incubation R1+S           Incubation R2         120-180 s           Blank Lecture         12 cycle for c501/c503-8 cycle for c502	ASSAY PARAMETERS	
Sample         10 µL           R2         22 µL           Others         Stirring=3           Reaction mode         2 point end           Primary wavelength         546 nm           Secondary wavelength         800 nm           Direction         Increase           Reagent blank lecture (cycle)         12 cycle for c501/c503-8 cycle for c502           Final lecture (cycle)         37 cycle for c501/c503-24 cycle for c502           Reaction time         close to 10 min           Linear range         40-1000 ng/mL           CALIBRATION           Calibration Method         Spline           Calibration Method         Spline           Calibration set         5 calibrator 9 (0 ng/mL)           Calibrator 1         Calibrator 1 (50 ng/mL)           Calibrator 2         Calibrator 2 (100 ng/mL)           Calibrator 3         Calibrator 3 (250 ng/mL)           Calibrator 4         Calibrator 4 (500 ng/mL)           Calibrator 5         Calibrator 5 (1000 ng/mL)           STEPS           Addition R1         Addition Sample           Incubation R1+S         120-180 s           Addition R2         Blank Lecture         12 cycle for c501/c503-8 cycle for c502	Std. No	6
R2         22 µL           Others         Stirring=3           Reaction mode         2 point end           Primary wavelength         546 nm           Secondary wavelength         800 nm           Direction         Increase           Reagent blank lecture (cycle)         12 cycle for c501/c503-8 cycle for c502           Final lecture (cycle)         37 cycle for c501/c503-24 cycle for c502           Reaction time         close to 10 min           Linear range         40-1000 ng/mL           CALIBRATION           Calibration Method         Spline           Calibration set         5 calibrators + Blank           Blank         Calibrator 0 (0 ng/mL)           Calibrator 1         Calibrator 1 (50 ng/mL)           Calibrator 2         Calibrator 2 (100 ng/mL)           Calibrator 3         Calibrator 3 (250 ng/mL)           Calibrator 4         Calibrator 5 (1000 ng/mL)           STEPS           Addition R1         Addition R1           Addition R2         Incubation color (501/c503-8 cycle for c501/c503-8 cycle for c502           Blank Lecture         12 cycle for c501/c503-8 cycle for c502           Incubation reaction         close to 300 sec	R1	100μL
Others         Stirring=3           Reaction mode         2 point end           Primary wavelength         546 nm           Secondary wavelength         800 nm           Direction         Increase           Reagent blank lecture (cycle)         12 cycle for c501/c503-8 cycle for c502           Final lecture (cycle)         37 cycle for c501/c503-24 cycle for c502           Reaction time         close to 10 min           Linear range         40-1000 ng/mL           CALIBRATION           Calibration Method         Spline           Calibration set         5 calibrators + Blank           Blank         Calibrator 0 (0 ng/mL)           Calibrator 1         Calibrator 2 (200 ng/mL)           Calibrator 2         Calibrator 3 (250 ng/mL)           Calibrator 3         Calibrator 3 (250 ng/mL)           Calibrator 4         Calibrator 5 (1000 ng/mL)           STEPS           Addition R1         Addition Sample           Incubation R1+S         120-180 s           Addition R2         Blank Lecture         12 cycle for c501/c503-8 cycle for c502           Incubation reaction         close to 300 sec	Sample	10 μL
Reaction mode         2 point end           Primary wavelength         546 nm           Secondary wavelength         800 nm           Direction         Increase           Reagent blank lecture (cycle)         12 cycle for c501/c503-8 cycle for c502           Final lecture (cycle)         37 cycle for c501/c503-24 cycle for c502           Reaction time         close to 10 min           Linear range         40-1000 ng/mL           CALIBRATION           Calibration Method         Spline           Calibration set         5 calibrators + Blank           Blank         Calibrator 0 (0 ng/mL)           Calibrator 1         Calibrator 1 (50 ng/mL)           Calibrator 2         Calibrator 2 (1000 ng/mL)           Calibrator 3         Calibrator 3 (250 ng/mL)           Calibrator 4         Calibrator 5 (1000 ng/mL)           STEPS           Addition R1         Addition Sample           Incubation R1+S         120-180 s           Addition R2         Blank Lecture         12 cycle for c501/c503-8 cycle for c502           Incubation reaction         close to 300 sec	R2	22 μL
Primary wavelength 546 nm Secondary wavelength 800 nm Direction Increase Reagent blank lecture (cycle) 12 cycle for c501/c503-8 cycle for c502 Final lecture (cycle) 37 cycle for c501/c503-24 cycle for c502 Reaction time close to 10 min Linear range 40-1000 ng/mL  CALIBRATION  Calibration Method Spline Calibration set 5 calibrators + Blank Blank Calibrator 1 (50 ng/mL) Calibrator 1 Colibrator 1 (50 ng/mL) Calibrator 2 Calibrator 2 (100 ng/mL) Calibrator 3 Calibrator 3 (250 ng/mL) Calibrator 4 Calibrator 4 (500 ng/mL) Calibrator 5 Calibrator 5 (1000 ng/mL) CSTEPS  Addition R1 Addition Sample Incubation R2 Blank Lecture 12 cycle for c501/c503-8 cycle for c502 Incubation reaction close to 300 sec	Others	Stirring=3
Secondary wavelength 800 nm Direction Increase Reagent blank lecture (cycle) 12 cycle for c501/c503-8 cycle for c502 Final lecture (cycle) 37 cycle for c501/c503-24 cycle for c502 Reaction time close to 10 min Linear range 40-1000 ng/mL  CALIBRATION  Calibration Method Spline Calibration set 5 calibrators + Blank Blank Calibrator 1 (50 ng/mL) Calibrator 1 Calibrator 1 (50 ng/mL) Calibrator 2 Calibrator 2 (100 ng/mL) Calibrator 3 Calibrator 3 (250 ng/mL) Calibrator 4 Calibrator 5 (200 ng/mL) Calibrator 5 Calibrator 5 (1000 ng/mL) Calibrator 5 Calibrator 5 (1000 ng/mL) Calibrator 5 Calibrator 5 (1000 ng/mL) Calibrator 6 Calibrator 6 (500 ng/mL) Calibrator 7 (500 ng/mL) Calibrator 8 Calibrator 9 (1000 ng/mL) Calibrator 9 Calibrator 1 (500 ng/mL) Calibrator 1 Calibrator 1 (500 ng/mL) Calibrator 1 Calibrator 1 (500 ng/mL) Calibrator 3 Calibrator 5 (1000 ng/mL) Calibrator 1 Calibrator 1 (500 ng/mL) Calibrator 1 Calibrator 1 (500 ng/mL) Calibrator 3 Calibrator 3 (250 ng/mL) Calibrator 3 Calibrator 5 (1000 ng/mL) Calibrator 1 Calibrator 1 (500 ng/mL) Calibrator 3 (250 ng/mL) Calibrator 4 (200 ng/mL) Calibrator 5 (200 ng/mL) Calibrator 5 (200 ng/mL) Calibrator 5 (200 ng/mL) Calibrator 5 (200 ng/mL) Calibrator 6 (200 ng/mL) Calibrator 7 (200 ng/mL) Calibrator 7 (200 ng/mL) Calibrator 1	Reaction mode	2 point end
Direction         Increase           Reagent blank lecture (cycle)         12 cycle for c501/c503-8 cycle for c502           Final lecture (cycle)         37 cycle for c501/c503-24 cycle for c502           Reaction time         close to 10 min           Linear range         40-1000 ng/mL           CALIBRATION           Calibration Method         Spline           Calibrator set         5 calibrators + Blank           Blank         Calibrator 1 (50 ng/mL)           Calibrator 1         Calibrator 1 (50 ng/mL)           Calibrator 2         Calibrator 2 (100 ng/mL)           Calibrator 3         Calibrator 3 (250 ng/mL)           Calibrator 4         Calibrator 4 (500 ng/mL)           Calibrator 5         Calibrator 5 (1000 ng/mL)           STEPS           Addition R1         Addition Sample           Incubation R1+S         120-180 s           Addition R2         Blank Lecture         12 cycle for c501/c503-8 cycle for c502           Incubation reaction         close to 300 sec	Primary wavelength	546 nm
Reagent blank lecture (cycle) Final lecture (cycle) Reaction time Close to 10 min Linear range Au-1000 ng/mL  CALIBRATION  Calibration Method Spline Calibrator set Blank Calibrator 1 Calibrator 2 Calibrator 2 Calibrator 3 Calibrator 3 Calibrator 4 Calibrator 4 Calibrator 5 Calibrator 6 Calibrator 6 Calibrator 7 Calibrator 8 Calibrator 8 Calibrator 9 Calibrator 9 Calibrator 1 Calibrator 2 Calibrator 3 Calibrator 3 Calibrator 4 Calibrator 4 Calibrator 5 Cali	Secondary wavelength	800 nm
Final lecture (cycle)  Reaction time  Close to 10 min Linear range  CALIBRATION  Calibration Method  Calibrator set  Blank  Calibrator 1  Calibrator 2  Calibrator 2  Calibrator 3  Calibrator 3  Calibrator 4  Calibrator 4  Calibrator 5  Calibrator 5  Calibrator 5  Calibrator 5  Calibrator 5  Calibrator 6  Calibrator 7  Calibrator 8  Calibrator 8  Calibrator 9  Calibrator 1  Calibrator 1  Calibrator 1  Calibrator 1  Calibrator 1  Calibrator 1  Calibrator 2  Calibrator 3  Calibrator 3  Calibrator 3  Calibrator 4  Calibrator 5  Calibrator 9  Cali	Direction	Increase
Reaction time close to 10 min Linear range 40-1000 ng/mL  CALIBRATION  Calibration Method Spline Calibration set 5 calibrators + Blank Blank Calibrator 0 (0 ng/mL) Calibrator 1 Calibrator 1 (50 ng/mL) Calibrator 2 Calibrator 2 (100 ng/mL) Calibrator 3 Calibrator 3 (250 ng/mL) Calibrator 4 Calibrator 4 (500 ng/mL) Calibrator 5 Calibrator 5 (1000 ng/mL)  STEPS  Addition R1 Addition Sample Incubation R1+S 120-180 s Addition R2 Blank Lecture 12 cycle for c501/c503-8 cycle for c502 Incubation reaction close to 300 sec	Reagent blank lecture (cycle)	12 cycle for c501/c503-8 cycle for c502
Linear range  CALIBRATION  Calibration Method  Calibration set  Spline Calibration set  Scalibrators + Blank Blank  Calibrator 1 (50 ng/mL) Calibrator 2 (100 ng/mL) Calibrator 3 (250 ng/mL) Calibrator 3 (250 ng/mL) Calibrator 4 (500 ng/mL) Calibrator 5 (201brator 5 (1000 ng/mL) Calibrator 6 (1000 ng/mL) Calibrator 7 (100 ng/mL) Calibrator 8 (1000 ng/mL) Calibrator 9 (201brator 9 (2000 ng/mL)) Calibrator 9 (201brator 9 (2000 ng/mL) Calib	Final lecture (cycle)	37 cycle for c501/c503-24 cycle for c502
CALIBRATION  Calibration Method Spline Calibration set 5 calibrators + Blank Blank Calibrator 1 (50 ng/mL) Calibrator 2 (100 ng/mL) Calibrator 2 (2 calibrator 2 (100 ng/mL) Calibrator 3 (250 ng/mL) Calibrator 4 (200 ng/mL) Calibrator 5 Calibrator 5 (1000 ng/mL) STEPS  Addition R1 Addition Sample Incubation R2 Blank Lecture 12 cycle for c501/c503-8 cycle for c502 Incubation reaction close to 300 sec	Reaction time	close to 10 min
Calibration Method Spline Calibration set 5 calibrators + Blank Blank Calibrator 0 (0 ng/mL) Calibrator 1 Calibrator 1 (50 ng/mL) Calibrator 2 Calibrator 2 (100 ng/mL) Calibrator 3 Calibrator 3 (250 ng/mL) Calibrator 4 Calibrator 4 (500 ng/mL) Calibrator 5 Calibrator 5 (1000 ng/mL) STEPS  Addition R1 Addition Sample Incubation R1+S 120-180 s Addition R2 Blank Lecture 12 cycle for c501/c503-8 cycle for c502 Incubation reaction close to 300 sec	Linear range	40-1000 ng/mL
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Blank Calibrator 0 (0 ng/mL) Calibrator 1 (50 ng/mL) Calibrator 2 (100 ng/mL) Calibrator 3 (250 ng/mL) Calibrator 3 (250 ng/mL) Calibrator 4 (500 ng/mL) Calibrator 5 (261660 ng/mL) Calibrator 6 (261660 ng/mL) Calibrator 7 (2600 ng/mL) Calibrator 8 (261660 ng/mL) Calibrator 8 (261660 ng/mL) Calibrator 9 (2600 ng/mL)	Calibration Method	Spline
Calibrator 1 (50 ng/mL) Calibrator 2 (2 100 ng/mL) Calibrator 3 (250 ng/mL) Calibrator 4 (500 ng/mL) Calibrator 5 (2 1000 ng/mL) Calibrator 6 (2 1000 ng/mL) Calibrator 7 (2 1000 ng/mL) Calibrator 8 (2 1000 ng/mL) Calibrator 9	Calibration set	5 calibrators + Blank
Calibrator 2 Calibrator 2 (100 ng/mL) Calibrator 3 (250 ng/mL) Calibrator 4 (500 ng/mL) Calibrator 5 (200 ng/mL) Calibrator 6 (200 ng/mL) Calibrator 6 (200 ng/mL) Calibrator 7 (200 ng/mL) Calibrator 8 (200 ng/mL) Calibrator 9 (200 ng/mL) Calibrat	Blank	Calibrator 0 (0 ng/mL)
Calibrator 3 (250 ng/mL) Calibrator 4 (500 ng/mL) Calibrator 5 (21000 ng/mL)  STEPS  Addition R1 Addition Sample Incubation R1+S Addition R2 Blank Lecture 12 cycle for c501/c503-8 cycle for c502 Incubation reaction close to 300 sec	Calibrator 1	Calibrator 1 (50 ng/mL)
Calibrator 4 (500 ng/mL) Calibrator 5 (1000 ng/mL)  STEPS  Addition R1 Addition Sample Incubation R1+S Addition R2 Blank Lecture Incubation reaction  Calibrator 4 (500 ng/mL) Calibrator 5 (1000 ng/mL)  1200 ng/mL)  1200 ng/mL)  1200 ng/mL)  1200 ng/mL) 1200	Calibrator 2	Calibrator 2 (100 ng/mL)
Calibrator 5 (1000 ng/mL)  STEPS  Addition R1  Addition Sample Incubation R1+S  Addition R2  Blank Lecture Incubation reaction  Calibrator 5 (1000 ng/mL)  Calibrator 5 (1000 ng/mL)  Calibrator 5 (1000 ng/mL)  12 cycle for 5 (1000 ng/mL)	Calibrator 3	Calibrator 3 (250 ng/mL)
STEPS  Addition R1  Addition Sample Incubation R1+S  Addition R2  Blank Lecture Incubation reaction  STEPS  Addition R1  Incubation R1+S  Incubation R2  Incubation R2  Incubation R2  Incubation R2  Incubation R2  Incubation R2  Incubation R3  Incubation R4  Incubation R5  Inc	Calibrator 4	Calibrator 4 (500 ng/mL)
Addition R1  Addition Sample  Incubation R1+S  Addition R2  Blank Lecture  Incubation reaction  Close to 300 sec	Calibrator 5	Calibrator 5 (1000 ng/mL)
Addition Sample Incubation R1+S Addition R2  Blank Lecture Incubation reaction  Addition R2  Incubation reaction  Incubation reaction  Addition R2  Incubation R3  Incubation R3  Incubation R3  Incubation R3  Incubation R4  Incubation R3  Incubation R4  Incubation R4  Incubation R5  Incubation R5  Incubation R6  Incubati	STEPS	
Incubation R1+S  Addition R2  Blank Lecture  Incubation reaction  12 cycle for c501/c503-8 cycle for c502  close to 300 sec	Addition R1	
Addition R2  Blank Lecture 12 cycle for c501/c503-8 cycle for c502  Incubation reaction close to 300 sec	Addition Sample	
Blank Lecture 12 cycle for c501/c503-8 cycle for c502 Incubation reaction close to 300 sec	Incubation R1+S	120-180 s
Incubation reaction close to 300 sec	Addition R2	
	Blank Lecture	12 cycle for c501/c503-8 cycle for c502
Final lecture 37 cycle for c501/c503-24 cycle for c502	Incubation reaction	close to 300 sec
	Final lecture	37 cycle for c501/c503-24 cycle for c502



# Cobas Module c501

#### Instrument Settings Calibration Range Others Analyse Assay/Time/Point 2 Point End 10 12 47 0 0 Wave (2<sup>nd</sup>/Primary) 800 nm 546 nm Sample volume Cassette Configuration Code 10.0 0.0 0 S.vol (Normal) 10.0 0.0 0 Expiration days 30 S.vol (Decrease) 10.0 0,0 0 S.vol (Increase) Water Diluent 0 1 100 0 Reagent (R1) A inactive 0 22 Reagent (R2) 0 0 Reagent (R3) Linearity Limit 0 % 0 % 0 0 Prozone Limit 0 0 0 0 Inside ▼ 0 0 Abs Limit Decrease **Cell Detergent** Detergent 1 ▼ Stirring Level 1 Stirring M2 M3 setting UP | stirring ▼ | LOW | stirring ▼ | stirring ▼ | stirring ▼ Others Analyse Calibration Range Spline Calibration type AutoCalibration ▼ Time Calibration Cassette 6 Point 30 days 6 Span 0 Weight Update None ▼ 0 0 SD Limit 999 999 Duplicate Limit 3200 % 99 %

-99999

-32000

99999 32000

Sensitivity Limit

S1Abs Limit