



cobas e411 Preventive Maintenance Check List		
Customer Name : SRL Diagnostics - Dr. Avinash Phadke Lab Mulund	Type :	Yearly
	Case ID : ORD - 0018802656	
PM Communication	Yes	
Date : 5/1/2022	FSE Name : Manoj Cholkar	
To Clean/ Check	Remarks (if any)	Clean/Check
Cover, Housing		Clean
Chassis		Clean
Filter MD 6		Clean
S/R Probe		Clean
Sipper probe		Clean
Valve Body		Check
DI water and waste tank		Clean
S/R - LLD	Voltage (V)	0.83
Sipper - LLD		1.92
Pressure sensor		1.78
Detection Unit	Temperature (degree C)	28.01
Incubator		37
Reagent disk		17.1
System Reagent		27.7
Gripper finger		Clean
Spring for Gripper finger		Clean
Light barriers		Clean
Reagent disk, BarcodeReader window		Clean
Incubator		Clean
Module (Fans, PCB's, Power supplies)		Clean
Mixer paddle		Clean
Mixer speed		Check
Mechanism check		Check
To Replace	Remarks (if any)	Replace
Tube B for measuring cell		Yes
Tube B for sipper		Yes
Tube B for sipper syringe		Yes
Pinch valve tubings		Yes
Seal piece P for S/R syringe		Yes
Seal piece S for sipper syringe		Yes
Tube 510		Yes
Tube 465		Yes
Nozzle seal pipetter		Yes
Nozzle seal sipper		Yes
Packings for syringes		Yes
Mixer belt		Yes
Measuring Cell	If Required, Depending on Instrument performance.	Yes
Spring for Gripper finger		Yes
Checks	Remarks (if any)	Attach Print Out
System Volume Check (Mandatory)		Yes
PMT-HV Adjustment (Mandatory)		Yes
APC Check (Optional)	NA	No
Blank Cell Calibration (Mandatory)		Yes
QC Check(Few Parameters)(Mandatory)		Yes
FSE Signature :	Customer Name : <u>Priyanka Chorat</u>	
	Seal & Signature :	



Instrument Information

Operator-ID: bmserv

05/01/2022, 11:43

System Volume : 3  
 Last LFC date : 03/01/2022  
 Overall Test Counter : 48594  
 Cell Exchange Counter : 0

## Adjustment data

Reagent disk	Pos.1	R1	Beads	Beads	Mixing
Beads mixer	0 Wash	2 Mixing	3 U/D		6
Pipetter X	-3 P1	3 Wash	-6 Beads		R1
	2 R2	-1 S.Disk	1 VB		1
Pipetter Z	2 T/V Buffer	3 T/V Bottom	2 Beads		Bottom S.Cup Bottom
Cap opener	-13 F/B Cap	-4 U/D Home	-16 U/D Cap		-20
BCR	3 R.Disk	-12 S.Disk	12		
Sample Disk	0 BC scan	-7 Pipetting			
Sipper X	0 CC2	0 Wash			Sipping
Sipper Z	2 Incubator	0 Inc Bottom	3 AB1 Bottom		CC2 Bottom
Gripper X	-1 TM Front	-6 TM Back	-20 Sipping	-20 Tip pos.1	V.Buffer
Gripper Y	7 TM Front	6 VM Left	6 Sipping	1	-1
	1 Incubator	1 Tip Pos.1	2 V.Buffer		
Gripper Z	4 Sipping	-3 V.Buffer	-5		
A line	0 Loading	3 Pos.			
B line	0 Sampling		Sample ID		Rack ID
Turn Table	0 Home	0 End	0		0
	0	0			

*Handwritten signature*

Workplace

Reagent

Calibration

QC

Utility

System

Maintenance

Application

Calc. Test

Stop

Instrument Check

PMT High Voltage Adjustment

Pos.	Effective Signal	Dark Level
1	87512	632
2	87191	632
3	87926	631

Running Test

LH Check

HBQ Test

Restore Parameter

Close

Start

Close

Logoff

S.Stop

Stat Mode

Alarm

Print

Start

? Help

Print Screen

Remove USB

*PHI*



Blank Cell

Operator-ID: bmserv

05/01/2022, 12:18

BlankCell was generated

BlankCell Date : 05/01/2022  
RackPack-No. : 6235  
Lot-No. : 503897  
Expiry-Date : 08/2022

## Calibration Quality Criteria

Missing values -----  
Deviation of replicate measurements OK  
Achievement of Targets OK  
Comparison to last valid BlankCell OK

	Last valid BlankCell	Actual BlankCell
	Lot : 409696	Lot : 503897
BCR1-1	176	166
BCR1-2	178	185
BCR1-3	195	193
Median	178	185
Target	300	300
Lower	90	90
Upper	400	400
Repl. limit	20 %	20 %
BCR2-1	90671	87591
BCR2-2	90760	88380
BCR2-3	90829	88799
Median	90760	88380
Target	90000	87000
Lower	84000	81000
Upper	96000	93000
Repl. limit	10 %	10 %



Workplace Reagent Calibration QC Utility

System Maintenance Application Calc. Test

No.	Type
1	Maintenance
2	Check
3	Service

### Initial BlankCell

BlankCell Date	<input type="text" value="05/01/2022"/>
RP No. for BlankCell	<input type="text" value="6235"/>
Lot No. of BlankCell	<input type="text" value="503897"/>
BlankCell Parameter (a)	<input type="text" value="-120.58"/>
BlankCell Parameter (b)	<input type="text" value="1.02"/>
BlankCell Option	<input checked="" type="radio"/> On <input type="radio"/> Off

Buttons: Cancel, BlankCell Data Print, OK, Select

- Stop
- Logoff
- S.Stop
- Stat Mode
- Alarm
- Print
- Start
- Print Screen
- Remove USB

? Help

*Chy/hw*



Roche Diagnostics

Immunoanalyzer cobas e 411

S/N 66S818

Result Report

Operator-ID: bmserv

05/01/2022, 14:32

Sample/Control ID	Seq.	Pos.	Test	Dil	RPos	Result	Flag
PC U2	451	0-2	HCG-BETA 1		6	39.87	
			PRL 1		5	39.91	
			T3 0		1	367.5	
			T4 1		3	12.46	
			TSH 0		2	8.34	

*Qm/2*