

Case No.	CAS-0014574649	Instrument Model	cobas Integra 400 plus
Order No.	ORD-0018817286	Instrument Serial No.	401723
Contract Type	IN-COMPREHENSIVE	Finance Status	RENT
Lab/Inst./hosp.Name	Shraddhadeep Greencross Pathology Laboratory		
Customer No.	0052076030		
Contact Name :	vibhav		
Contact Number :			
Address :	Plot no. 910/1,		
City :	Gandhinagar		

Call Received Date/Time:	07.12.2021 17:45	Call Attended Date/Time:	10.02.2022 15:30
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Job Type	PM Visit
Job Description	
Action Summary	<p>Cause:- Preventive Maintenance Service of Cobas Integra 400+</p> <p>Workdone:- Cleaned whole Instrument.</p> <ul style="list-style-type: none"> - Cleaned all gear mechanism and lubricated it. - Replaced Kit Maintenance CI-400+ from Roche stock. - Done all checks as per the PM check list. - Performed qc and samples satisfied with the result. <p>Verification:- Done</p> <p>Customer Satisfaction Rating (1-5): 5</p>

Spare Part Replaced


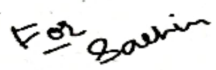

Part No	Parts Description	Batch No	Batch Expiry Date	Qty	Invoice Type
05670713001 ⁽¹⁾	KIT MAINTENANCE I400/400PLUS ⁽¹⁾			1	Free of charge

⁽¹⁾: Customer owned

Time Report

Effective Visit Date : 10.02.2022	Complete Date : 10.02.2022
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Date	Type	Time
2022.02.10	Travel Time--Standard	0.75
2022.02.10	Working Time--Standard	4
Total:		4.75

Customer's Signature Name : Dr.Dinesh Rathod		Service Engineer/Application Specialist Name : Hitesh Trivedi
 Date: 10.02.2022		 Date: 10.02.2022

COBAS® Integra 400 Plus Preventive Maintenance Checklist

Account Name: Shradhadeep Green Cross Pathology Laboratory

Type: Half Yearly

Instrument S/N: 401723

Date: 10/02/22

Case ID C-14574649 PM Communication Yes

ISE Active No

Sequence Item/Procedure	FSE Action	Remarks (If any)
* Things to be Clean		
1 Analyser Area	Yes	Cleaned
2 Cuvette Transport Area	Yes	Cleaned
3 Robotic Transfer Area	Yes	Cleaned
4 Fluid and Pipetting Area	Yes	Cleaned
5 Rack Area and Cooling Unit Area	Yes	Cleaned
6 Power Supply Main	Yes	Cleaned
7 Photometer Lens and Housing	Yes	Cleaned
8 ISE Module Area	No	Cleaned
9 Controller Rack	Yes	Cleaned
10 Datastation	Yes	Cleaned
* Things to be Lubricate		
1 All Workstations	Yes	Lubricated
2 X- and Y-Transfer Guide Rails	Yes	Lubricated
3 Transfer-Head Linear Bearing and Worm Gears	Yes	Lubricated
4 Wash Syringe, Toothed bar Cogs, Bearing Snarfs	Yes	Lubricated
* Things to be Replace		
1 Halogen Lamp	Yes	Replaced
2 Filter Ligacon	Yes	Replaced
3 Ligacon Filter of the Air Pump(ISE Only)	Not Applicable	-
4 Filter Water Sterapore-H	Yes	Replaced
5 ISE Module tubing	Not Applicable	-
6 Cooling Box Fluid Filter	Yes	Replaced
7 Seal Teflon 250uL	Yes	Replaced
8 Seal Cap Pipette	Yes	Replaced
9 Seal Inlet Filter, D7/11.5x4	Yes	Replaced
10 Seal Bal D9/12x2.5(Wash Seal)	Yes	Replaced
11 Spring Washers	Yes	Replaced
12 Seal Quad Ring(ISE Only)	Not Applicable	-
* Things to be Inspect		
1 All Tubes, Connectors, Fittings, Vacuum Pump	Yes	Inspected
2 Fans of the Fan Assembly Power Supply Main	Yes	Inspected
3 Kit Belt Analyzer Motor	Yes	Inspected
4 X-Motor Belt	Yes	Inspected
5 Pivot Lever	Yes	Inspected
6 Shock absorber (Auxiliary Front Panel)	Yes	Inspected
* Things to Adjust		
1 Dry and Mix pressures(With ISE Only)	Not Applicable	-
* Post PM Check		
1 Check ABS Halogen Lamp	Yes	Checked
2 Cuvette Transport	Yes	Checked
3 Analyzer Rotor Init. Position	Yes	Checked
4 Workstation Accuracy	Yes	Checked
5 Abs Air/Water Calibration	Attach Printout	PRT
6 Init Position Accuracy	Yes	Checked
7 Prime ISE and conditioning of ISE tubings	Not Applicable	-
8 Check ISE Performance	Attach Printout	-
9 ISE Washtime M85.1	Attach Printout	-
10 Pipetting Accuracy Check	Attach Printout	PRT
11 QC Check (Few Parameters)	Attach Printout	PRT

FSE Name : Mr.Hitesh M.Trivedi

FSE Signature :-

Customer Name: Dr.Dinesh Rathod

Customer Signature & Seal

PURPOSE

The Abs Photometer Calibration determines the Air/Water Correction values. These values are needed for result calculations. Displays the number of cuvettes outside the range for every measurement procedure.

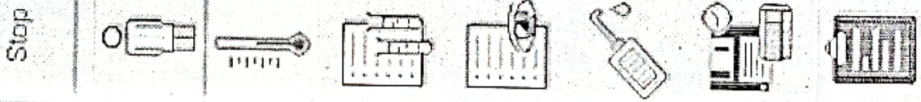
Abs Air Water Calibration

Number of Cuvettes	20	Calibrate
Number of Measurements	20	
Nr. of Cuvettes outside Range		
Air Measurements	0	
H2O Measurements	0	
H2O - Air Measurements	0	
Total	0	
Accepted Nr. of Cuvettes outside Range (not more than 20%)	4	Store Calibration Data
Abs Air/Water Calibration:	okay	View Calibration Data...

Logfile... Print Cancel

- M0 Module Checks
- M1 Analyzer Module
- M2 Abs Photometer
- M21 General
- M22 Abs Photometer Test
- M23 Abs Photometer Me
- M24 Abs Photometer Cal
- M3 FP Photometer
- M4 Cuvette Transport
- M5 Fluid System
- M6 Rack Area / Cooling Unit
- M7 Robotic Transfer
- M71 General
- M72 Transfer Initialization
- M73 XYZ Transfer Mover
- M8 ISE Module
- M9 Calibration Procedures

For Sachin
20/2/2022



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332021500815

372021500815

372021500840

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402021500845

402021500846

42021300332

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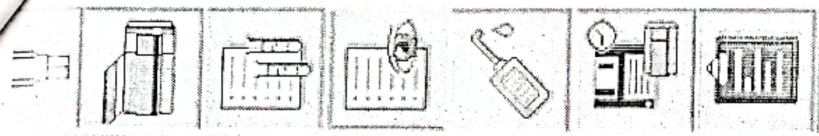
Find

Name

# Tests	16	CV%	0.27
CHBR	Mean	SD	
[Abs]	0.39683	0.001	
Range	Low	High	
Extremes	0.39559	0.39886	
68% Confidence	0.39576	0.39790	
95% Confidence	0.39469	0.39897	

Test:

- *CHKBS 1.36895 Abs
- *CHKES 1.37129 Abs
- *CHKES 1.37051 Abs
- *CHKES 1.37177 Abs
- *CHKES 1.37452 Abs



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20/2/2022

For Saah



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- 332021500815
- 372021500815
- 372021500840
- 372021500844
- 402021500838
- 402021500839
- 402021500845
- 402021500846
- 42021300332
- 42021300333
- 42021300335
- 42021500813
- 42021500819
- 42021500829
- 42021500830
- 42021500831
- 42021500841

Statistics for all calculated Tests on Patient:

Patient ID 2
Name 2

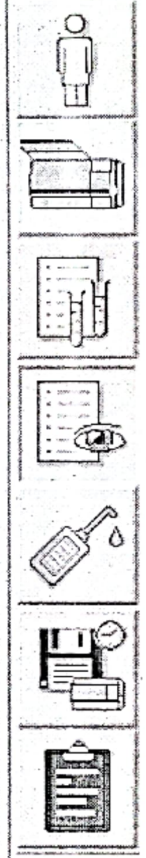
# Tests	16		
CHKCSR	Mean	SD	CV%
[Abs]	0.39203	0.001	0.29
Range	Low	High	
Extremes	0.39107	0.39510	
68% Confidence	0.39069	0.39318	
95% Confidence	0.38974	0.39433	

Test Help Print Close

- *CHKCS 1.39290 Abs
- *CHKCS 1.39313 Abs
- *CHKCS 1.38973 Abs
- *CHKCS 1.40186 Abs
- *CHKCS 1.40456 Abs

Find

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- 372021500844
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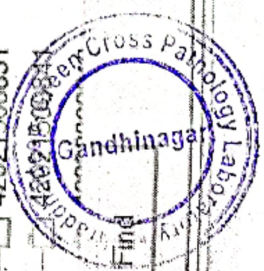
Statistics for all calculated Tests on Patient

Patient ID 1
Name 1

# Tests	16			
Mean	1.37303	SD	0.004	CV%
Range	Low	High		
Extremes	1.36709	1.38205		
68% Confidence	1.36921	1.37685		
95% Confidence	1.36539	1.38067		

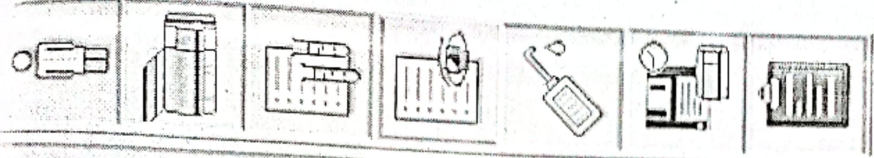
Test Help Print Close

- *CHKBS 1.36895 Abs
- *CHKBS 1.37129 Abs
- *CHKBS 1.37051 Abs
- *CHKBS 1.37177 Abs
- *CHKBS 1.37452 Abs



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Statistics for all calculated Tests on Patient:

PatientID 2
Name 2

# Tests	Mean	SD	CV%
CHKCS [Abs]	1.40096	0.014	0.97
Range	Low	High	
Extremes	1.36898	1.42050	
68% Confidence	1.38730	1.41461	
95% Confidence	1.37364	1.42827	

Test



Help

Print

Close

- *CHKCS 1.39290 Abs
- *CHKCS 1.39313 Abs
- *CHKCS 1.38973 Abs
- *CHKCS 1.40186 Abs
- *CHKCS 1.40456 Abs

- 32021300335
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- 42021500831
- 42021500841

Find



@Hmk
20/12/2022

rch

2/10/2022 19:20



Statistics for all calculated Tests on Patient:

Patient ID 1
Name 1

# Tests	16			
CHKBSR	Mean	SD	CV%	
[Abs]	0.39325	0.001	0.32	
Range	Low	High		
Extremes	0.39111	0.39524		
68% Confidence	0.39200	0.39450		
95% Confidence	0.39075	0.39575		

Test

- *CHKBS 1.36895 Abs
- *CHKBS 1.37129 Abs
- *CHKBS 1.37051 Abs
- *CHKBS 1.37177 Abs
- *CHKBS 1.37452 Abs

- 1
- 2
- 32021300335
- 32021500813
- 332021300335
- 332021500813
- 332021500815
- 372021500815
- 372021500840
- 372021500844
- 402021500838
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- 42021300332
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- 42021500813
- 42021500819
- 42021500829
- 42021500830
- 42021500831
- 42021500841



For Sachin
@Hunt
 20/2/2022

Stop

02/2022

Page Range

Statistics for all calculated Tests on Patient:

PatientID 2
Name 2

# Tests	Mean	SD	CV%
CHKCR	0.339437	0.001	0.25
[Abs]			
Range	Low	High	
Extremes	0.339236	0.339616	
68% Confidence	0.339336	0.339537	
95% Confidence	0.339236	0.339637	

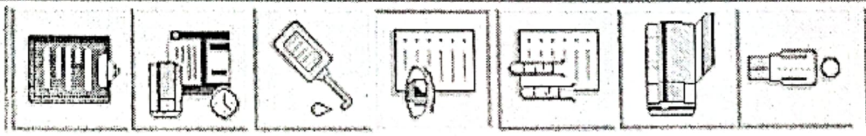
Test: Help Print Close

- *CHKCS 1.339290 Abs
- *CHKCS 1.333313 Abs
- *CHKCS 1.389773 Abs
- *CHKCS 1.40186 Abs
- *CHKCS 1.40456 Abs

Find



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Order/Order ID

- 372021500815
- 372021500840
- 372021500844
- 402021500838
- 402021500839
- 402021500845
- 402021500846
- 42021300332
- 42021300333
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- 42021500819
- 42021500829
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- 42021500831
- 42021500841
- 42022800218
- 92021300335
- 92021500829
- 92021500830

- 2/9/2022
- 2/8/2022
- 2/7/2022

Find

Test	Result	Unit	Flags / Action	Ref. Range
*ALTL	23.8	U/L		
*CREJ2	1.87	mg/dl		



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 14/2/2022

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End scheduling