



Calibration Certificate

This is to certify that the **Cobas C311** is a fully automated clinical chemistry analyzer with S.No: **2332-02** at **Legit Medical Diagnostics, Nizamabad** and has been calibrated on 13-03-2024.

The Calibration includes:

Adjustments: Checked the alignments for Sample/Reagent probe, reaction cells, and their respective home positions.

Checked the water supply solenoids functioning.

Checked the supply voltage to the instrument and grounding.

Checked the temperature monitor, photometer check and cell blank measurements.

Found all the adjustments and voltages are o.k.

All the checks and calibration were done and system is being used under recommended conditions. Next calibration is due on 12-03-2025.

For Roche Diagnostics India Pvt Ltd,

G.Chenna Krishna Reddy

Technical Service Specialist

Hyderabad.

ROCHE DIAGNOSTICS INDIA PVT. LTD.
CIN - U85195MH1988PTC141417

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Mumbai - 400069

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Engineering Installation Report

Name of Institution: Legit Medical Diagnostics
 Door No: 5-6-3 Building Name: - Floor: Ground Floor
 Street/Road: pachamma Temple Colony/Sector/Nagar: Dwaraka Nagar
 Location: Khleelwadi City: NIZAMABAD Pin Code: 503002 Phone: 9160036283
 Department (kindly ✓): Pathology Blood Bank Other (mention) Biochemistry Lab

Person In Charge		Instrument Main Contact	
Name	<u>Dr. D. Rajesh</u>	Name	<u>Dr. D. Rajesh</u>
Phone	<u>9160036283</u>	Phone	<u>9160036283</u>
Designation		Designation	
Email	<u>dr @ legitcares . com</u>	Email	<u>dr @ legitcares . com</u>

Instrument Serial No & Model Name: cobas c311 & 2332-02
 Software Ver: 01-13 Cobas Link Serial No: SL 341784
 Fortigate Make / Model: F4-60F Fortigate Serial No: F9T60 FTK 23065066
 Installation Commencement Date: 13/03/2024 Date of Installation Completion: 13/03/2024
 Travel Hours 4 Work Hours 9hours Work ORD No _____

◆ **Transportation Damage & Discrepancy Report: (please update after inspection)**
 A. List of Missing items: NIL
 B. Notes on any damages: NIL
 C. General Remark: NIL

◆ **Installation checks & Summary: (please indicate status)**

A. Power Supply:	<u>Checked OK</u>	D. Fluidic Adjustment & Setup:	<u>DDNB</u>
B. Software Installation & Boot-up:	<u>DDNB</u>	E. System Checks & Status Print Outs:	<u>DDNB</u>
C. Mechanical Adjustments & Setup:	<u>DDNB</u>	F. Other (If any, pls mention)	<u>DDNB</u>

Customer Comments: Analyse Working fine.

Signature of Engineer [Signature] Signature & Seal of Customer A.P. [Signature] Date 13/3/24
 Name of Engineer P.C. Krishna Reddy Engineer's Comment Working fine.



Note: Instrument main contact from Lab shall be responsible to receive act and send acknowledgement related to all field notification from Roche. Customer shall be responsible to notify Roche at its customer care in case of any change for Instrument Main Contact to receive timely information.

"In case of Complaints/Inquiries please reach our Customer Support Centre (CSC, Customer Care) at 1800-123-7599(Toll Free) / 022-66974755"

Photometer Check

24/03/13 19:49

-----PREVIOUS DATA-----			-----CURRENT DATA-----		
DATE	09/09/08	09:58	DATE	24/03/13	19:46
340 nm	0		340 nm	0.000	
376 nm	0		376 nm	0.000	
415 nm	0		415 nm	0.000	
450 nm	0		450 nm	0.000	
480 nm	0		480 nm	0.000	
505 nm	0		505 nm	0.000	
546 nm	0		546 nm	0.000	
570 nm	0		570 nm	0.000	
600 nm	0		600 nm	0.000	
660 nm	0		660 nm	0.000	
700 nm	0		700 nm	0.000	
800 nm	0		800 nm	0.000	

----- ABNORMAL CELL LIST -----

24/03/13 19:28	----- WAVELENGTH (nm) -----											
CELL NO.	340	376	415	450	480	505	546	570	600	660	700	800
001	9200	8498	8317	8243	8099	8178	8137	8102	8010	8051	7996	7943
002	8922	8281	8139	8092	7964	8056	8032	8005	7922	7976	7929	7889
003	8922	8280	8135	8081	7949	8039	8016	7988	7906	7968	7924	7886
004	8908	8274	8131	8081	7954	8049	8028	8005	7924	7979	7932	7889
005	8913	8276	8136	8088	7961	8054	8033	8008	7927	7982	7935	7894
006	8921	8281	8138	8089	7960	8053	8031	8005	7924	7979	7931	7891
007	8919	8277	8137	8090	7962	8055	8033	8008	7926	7982	7935	7894
008	8908	8272	8127	8076	7948	8042	8019	7993	7912	7967	7922	7879
009	8917	8281	8132	8083	7956	8049	8026	8000	7916	7967	7920	7879
010	8928	8288	8143	8097	7969	8061	8038	8013	7930	7986	7938	7898
011	8899	8270	8127	8079	7953	8047	8026	8001	7920	7975	7929	7886
012	8955	8311	8170	8122	7993	8085	8060	8035	7951	8004	7954	7913
013	8947	8300	8157	8110	7981	8072	8046	8021	7937	7992	7943	7903
014	8932	8289	8144	8092	7961	8053	8030	8003	7921	7978	7934	7894
015	8938	8296	8152	8103	7974	8066	8042	8019	7936	7992	7943	7902
016	8943	8300	8158	8110	7981	8072	8047	8023	7939	7994	7945	7905
017	8952	8306	8161	8113	7984	8075	8051	8026	7943	7998	7950	7910
018	8937	8294	8152	8106	7977	8068	8044	8020	7937	7992	7944	7905
019	8932	8292	8144	8096	7967	8058	8035	8009	7927	7982	7935	7892
020	8926	8289	8140	8092	7965	8057	8035	8008	7925	7976	7929	7881
021	8968	8322	8177	8127	8000	8091	8066	8042	7957	8012	7963	7922
022	8925	8292	8147	8099	7972	8064	8041	8017	7934	7991	7942	7899
023	8936	8294	8152	8104	7977	8068	8042	8016	7932	7985	7937	7897
024	8929	8285	8145	8098	7970	8061	8036	8010	7927	7981	7934	7897
025	8928	8286	8141	8088	7956	8048	8024	7996	7914	7974	7929	7892
026	8921	8286	8142	8094	7967	8060	8037	8015	7933	7988	7940	7899
027	8925	8285	8145	8098	7970	8062	8039	8015	7931	7987	7939	7900
028	8931	8287	8145	8095	7966	8058	8035	8009	7928	7982	7935	7895
029	8924	8281	8141	8094	7967	8058	8035	8011	7929	7983	7936	7897
030	8920	8280	8134	8086	7957	8050	8027	8001	7918	7973	7927	7886
031	8904	8269	8122	8074	7948	8041	8018	7993	7910	7961	7914	7866
032	8931	8291	8145	8098	7971	8063	8039	8016	7933	7988	7940	7902
033	8907	8276	8133	8084	7958	8052	8031	8006	7925	7979	7932	7889
034	8935	8293	8151	8103	7975	8067	8041	8014	7930	7984	7936	7896
035	8931	8287	8146	8098	7969	8060	8035	8008	7925	7979	7931	7893
036	8932	8289	8143	8088	7955	8046	8021	7992	7910	7971	7927	7890
037	8922	8284	8140	8091	7962	8056	8034	8010	7929	7984	7936	7894
038	8931	8290	8149	8101	7972	8063	8040	8016	7934	7989	7941	7900
039	8936	8291	8147	8097	7969	8060	8036	8010	7929	7983	7935	7896
040	8927	8287	8144	8097	7968	8060	8036	8013	7931	7985	7937	7898
041	8922	8283	8135	8084	7954	8047	8023	7996	7913	7969	7924	7882
042	8918	8278	8131	8081	7953	8046	8022	7996	7913	7963	7916	7867
043	8940	8296	8151	8101	7972	8064	8040	8016	7932	7987	7940	7899
044	8921	8287	8142	8092	7964	8056	8034	8009	7928	7983	7935	7892
045	8949	8301	8158	8108	7979	8070	8044	8018	7933	7986	7937	7896
046	8944	8297	8152	8103	7974	8065	8038	8011	7928	7981	7934	7894
047	8942	8295	8149	8094	7960	8051	8026	7998	7917	7975	7930	7893
048	8927	8288	8143	8093	7964	8057	8035	8012	7931	7985	7937	7896
049	8934	8291	8150	8101	7972	8064	8039	8015	7933	7987	7939	7900
050	8952	8301	8156	8105	7975	8066	8042	8016	7934	7988	7939	7900
051	8952	8302	8158	8109	7979	8070	8044	8020	7937	7991	7942	7902
052	8947	8301	8152	8101	7970	8061	8036	8010	7928	7981	7934	7891
053	8933	8292	8140	8090	7961	8053	8030	8003	7920	7969	7921	7872
054	8953	8304	8158	8108	7979	8070	8045	8020	7936	7990	7942	7903
055	8935	8295	8149	8098	7969	8061	8037	8012	7930	7986	7937	7894
056	8965	8314	8170	8119	7989	8079	8052	8025	7941	7993	7943	7902
057	8964	8311	8165	8116	7985	8075	8048	8021	7936	7989	7940	7901
058	8967	8313	8164	8107	7973	8061	8036	8006	7924	7982	7936	7898
059	8953	8307	8158	8107	7977	8068	8043	8020	7937	7991	7942	7900
060	8969	8316	8172	8120	7990	8079	8053	8028	7945	7998	7949	7908
061	8984	8328	8178	8124	7993	8082	8054	8029	7945	7997	7948	7907
062	8985	8328	8181	8127	7997	8085	8058	8033	7949	8000	7952	7911
063	8991	8336	8180	8123	7991	8079	8051	8024	7939	7992	7942	7899
064	9000	8344	8184	8127	7996	8084	8056	8028	7942	7990	7938	7889
065	9043	8375	8216	8159	8023	8109	8081	8052	7966	8016	7966	7922

Cell Blank Measurement

24/03/13

19:44

24/03/13 19:28	----- WAVELENGTH (nm) -----											
CELL NO.	340	376	415	450	480	505	546	570	600	660	700	800
066	9067	8398	8233	8169	8033	8118	8086	8056	7970	8019	7968	7919

DATE:
INSTRUMENT No.:

OPERATOR:

SAMPLE LOT NUMBER: 74639501
SAMPLE EXPIRED DATE 25/06
REAGENT LOT NUMBER: 754577
REAGENT EXPIRED DATE 25/03

TEST	T.MEAN	UNIT	T.RANGE	T.MAX.	T.MIN.	T.CV(%)
CHKS	290.000	mAbs		313.000	267.000	1.50
CHKR1	724.000	mAbs		760.000	688.000	0.50
CHKR2	374.000	mAbs		393.000	355.000	1.00

TEST	N	MEAN	UNIT	RANGE	MAX.	MIN.	SD	CV(%)
CHKS	21	284.838	mAbs	5.500	287.100	281.600	1.642	0.58
CHKR1	21	717.552	mAbs	2.600	718.600	716.000	0.736	0.10
CHKR2	21	373.610	mAbs	2.200	375.000	372.800	0.649	0.17



(ISO 9001:2015 Certified)

Instrument Commissioning Report

Name of Institution: Legit Medical Diagnostics
 Complete Address: 5-6-3, Ground floor, Pochemma Temple, Dwaraka Ngar
 City: Nizamabad Pin Code: 503002
 Person Incharge : Dr. D. Rajesh REXIS ORD : WO- 27153575
 Instrument Model: C311 Serial No.: 2332- 02
 SW Version : V 01-13 Training Completed On : 16-03-2024
 Call Received Date: 14-03-2024 Call Attended Date: 15-03-2024
 Travel Hours : 5Hr Work Hours: 9Hrs

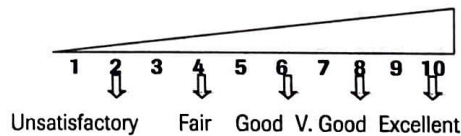
System Configuration & Preliminary application work:

(Please check in the Box)

- A. System configuration & programming E. Assay Calibration
- B. Hardware Overview F. QC Run
- C. Software Overview G. User Maintenance
- D. Sample & QC Processing H. Precision Check & Evaluation
- I. Basics of Telephone Trouble Shooting

Training Feedback:

(Please rate as per the Scale)



Structure	<input type="text" value="10"/>	Comments
Objective Reached	<input type="text" value="10"/>	
Ratio of Lecture to Practical time	<input type="text" value="10"/>	
Quality of Lecture	<input type="text" value="10"/>	
Completeness of Information	<input type="text" value="10"/>	
Knowledge	<input type="text" value="10"/>	
Openness to Questions	<input type="text" value="10"/>	
Overall Training Satisfaction	<input type="text" value="10"/>	

Signature of Trainer [Signature] Signature & Seal of Customer [Signature] Date 16/03/2024

Name of Trainer HEMANTH THUNGAM Trainer's Comment: Succesfully completed the Application training

"In case of Complaints/Inquiries please reach our Customer Support Centre at 1800-123-7599/044-30413900"



Training Agenda Checklist c311 Analyzer

SW Version: V 01-03

Hardware Overview :

(Please check in the Box)

Sample System	<input checked="" type="checkbox"/>	Water & Waste system	<input checked="" type="checkbox"/>
Reagent System	<input checked="" type="checkbox"/>	Control Unit	<input checked="" type="checkbox"/>
Mixing	<input checked="" type="checkbox"/>	Cobas Link Overview	<input checked="" type="checkbox"/>
Photometric System	<input checked="" type="checkbox"/>	Power Switch	<input checked="" type="checkbox"/>
ISE System	<input checked="" type="checkbox"/>	System Reagent	<input checked="" type="checkbox"/>

Software Overview & Routine Operation :

Workplace:

(Please check in the Box)

Workplace	<input checked="" type="checkbox"/>	Barcode Read Error	<input checked="" type="checkbox"/>
Test Selection	<input checked="" type="checkbox"/>	Search	<input checked="" type="checkbox"/>
Data Review	<input checked="" type="checkbox"/>	Data Back Up	<input checked="" type="checkbox"/>

Reagent:

(Please check in the Box)

Red/Yellow/Purple Alarm	<input checked="" type="checkbox"/>	c Pack Loading/Unloading	<input checked="" type="checkbox"/>
Reagent Prime	<input checked="" type="checkbox"/>	Reagent Level Reset	<input checked="" type="checkbox"/>
Inventory Set	<input checked="" type="checkbox"/>		



Roche Professional Services

Calibration:

(Please check in the Box)

Installing Calibrator(Dn. Load)	<input checked="" type="checkbox"/>	Installing Calibrator Manual	<input checked="" type="checkbox"/>
Ordering Calibration	<input checked="" type="checkbox"/>	Loading Calibrators	<input checked="" type="checkbox"/>
Calibration Results	<input checked="" type="checkbox"/>	Calibration Trace	<input checked="" type="checkbox"/>

QC :

(Please check in the Box)

Installing QC	<input checked="" type="checkbox"/>	Ordering QC	<input checked="" type="checkbox"/>
QC Activation	<input checked="" type="checkbox"/>	Loading QC	<input checked="" type="checkbox"/>
QC Accumulation	<input checked="" type="checkbox"/>	Excluding QC	<input checked="" type="checkbox"/>
QC Chart	<input checked="" type="checkbox"/>	QC Table	<input checked="" type="checkbox"/>
Real Time QC	<input checked="" type="checkbox"/>		

System Overview/General :

(Please check in the Box)

Preventive Action	<input checked="" type="checkbox"/>	Workflow Guide	<input checked="" type="checkbox"/>
Overview	<input checked="" type="checkbox"/>	Print View	<input checked="" type="checkbox"/>
Global Buttons	<input checked="" type="checkbox"/>	Intiating Sample Run (Rn.)	<input checked="" type="checkbox"/>
Intiating Sample Run (STAT)	<input checked="" type="checkbox"/>	Logon /Log Off	<input checked="" type="checkbox"/>
Start Conditions	<input checked="" type="checkbox"/>	Automatic Rerun	<input checked="" type="checkbox"/>
Default Profile	<input checked="" type="checkbox"/>	Host (If applicable)	<input checked="" type="checkbox"/>
Data Clear	<input checked="" type="checkbox"/>		



Maintenance:

(Please check in the Box)

Maintenance Log Sheet (Handover)



Daily Maintenance



Weekly Maintenance



Monthly Maintenance



Pipe Selections



Cell Blank Interpretation



Photometer Check (Interpretation)



Calibration Alarms & Troubleshooting:

(Please check in the Box)

A. Photometric Calibration Alarms & Troubleshooting Tips



B. ISE Calibration Alarms & Troubleshooting Tips



C. Data Alarms & Troubleshooting Tips

Signature of Trainer

T. Demoulin
16/03/24

Signature of Trainee

[Signature]
Date: 16/03/2024



Name of Trainer

Name(s) of Trainee

Trainers Comment:

Completed the installation successfully.

Trainee 1:

[Signature]

Signature:

[Signature]

Trainee 2:

Praveen Kumar

Signature:

[Signature]

Trainee 3:

Mohd Juber

Signature:

[Signature]

Customer Seal:

