Installation Qualification For Biochemistry Analyzer (Coralyzer Smart)

Contents

- 1) Instrument Identification
- 2) Environment Condition
- 3) Instrument Delivery and Documentation
- 4) Instrument Safety
- 5) Assembly and Installation
- 6) Summary Report

1) Instrument Identification

Biochemistry Analyzer -Coralyzer Smart.

Sr. No.	Specification	As per design qualification	Specification received	Match (Yes/No)
1	General Feature	Random access chemistry, Multichannel photometer capable of measuring absorbance of contents in microcuvettes.		 ✓Yes □No
2	Typical working volume For cuvettes	300 micro ltr		YES
3	Filter range	340 to 700 nm		YES
4	Communication port	USB- Interface		YES
5	Printer	External Printer		YES
6	Power requirement	500 VA+ PC		YES
7	Grounding	< 5 volt ac		YES
8	Throughput	200 test/hr		YES

2) Environment Condition

Has the Instrument been adequately acclimatized since transport or storage?

YES: ☐ NO: ☐

Operating Parameters	Specified Range	Conditions Met
Ambient Temperature	10 to 30 degrees	YES: ☑ NO: □
Maximum Relative Humidity	30% to 80 %	YES: ☑ NO: □
Supply Voltage & Frequency	220-230V, 50 Hz ac	YES: ☑ NO: □

3) <u>Instrument Delivery and Documentation</u>

Inpack the Instrument carefull	ly Are any items missing	g against the Packing List?
Inpack the instrument careful	iline and manner and and	
YES:		NO: ☑
yes, state the missing Items:		
there any damage to the Inst	trument or Accessories?	
YES: □		NO: ☑
f yes: Description of Damage:		
Corrective Action:		
Manufacturing informe	d: YES: \square	NO: □
all Standard Documentation	Included?	
perating Manual:	Present: ☑	Missing:
Warranty Card:	Present: ☑	Missing: □
all additional documentatio	n Included:	
	Present: ☑	Missing: 🗆
Installation Qualification: YES		
Operational Qualification: YES	5	
Performance Qualification: YE	ES	

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4) Instrument Safety

Manufacturer Safety Recommendations:

Allow enough space for the Instrument	YES: 🗹	NO: □	
Position on level, non-combustible surface Indoors	YES: 🗹	NO: 🗆	
Area free from aggressive/ explosive chemical mixtures	YES: 🗹	NO: □	
Ensure correct power supply and all power switches Easily accessible	YES: ☑	NO: □	
Beware of moving parts during working	YES: 🗹	NO: □	
Do not use Heat material that could cause fire or other Hazards	YES: ☑	NO: □	
Read Operator Manual before use	YES:	NO: 🗆	

5) Assembly and Installation

Assembled and installed By:	User:		Specialized Engineer: YES	
Installation Procedure :		Yes ☑	N/A	
Unpack and retain Packaging -				
Verifying the site before connecting to pow	er supply-			
Checking the instrument before performing	the Test-			

6) Summary Report

Instrument Name: Coralyzer Smart

Sr. No.:AES2K0KH12171F.

Manufacturer: Tulip Diagnostics (P) Ltd.

Assessment of complete Installation Qualification:

No Deviations:

Deviations:

Deviation	Impact on Operation	Justification for Acceptance
NIL		3

Successful completion of the preceding activities and checks indicates that this Instrument is installed successfully as per the set protocol. The instrument has passed the Installation Qualification procedure and may now be released for use.

IQ Completed By:	RAMESH S	Date: 08.09.21	6/100/2
Deviations Approved By:		Date:	
IQ Approved By:	RAMESH S	Date: 08.09.21	S. Diginglo

Operation Qualification For Biochemistry Analyzer (Coralyzer Smart)

Contents

- 1) Safety Tests
- 2) Pre-Run Checks
- 3) Functional Tests
- 4) Training
- 5) Summary Report

1) Safety Tests

This instrument confirms to the following standards and is supplied fully tested by the Manufacturer.

- Electrical equipment for measurement, control and laboratory use.
- Instrument requirement for laboratory for Blood testing.

The following electrical safety tests should be carried out by a competent person after Installation.

Safety Tests	Pass	Fail	Date	Signed
Earthing			08.09.21	1 ()-10
UPS Supply				2. Vo8/2

2) Pre-Run Checks

Biochemistry Analyzer (Coralyzer Smart)

Pre run check	OK	N/A
	\square	
Printer connection	<u> </u>	
No of cuvettes in reaction tray		
Hardware setting	V	
Reaction cuvette Temp	M	
Filter ADC		

3) Functional Tests : Coralyzer Smart.

Functional Test	Acceptance Criteria	Pass	Fail
Instrument power ON	Instrument initializes after clicking on Device Reset & shows in the screen below:	PASS	
Reaction Tray	Movement		
Reagent/Mixer Arm	Movement		
Reagent/ Sample tray	Movement	\square	
Wash Arm	Movement	$\overline{\checkmark}$	
Water/Waste Pump	Suction / Noise level		

4) Training

Trained Operators	Read Operator Manual	Read SOP	Practical Training	Authorizing Signature
G.RAJA	YES	YES	YES	2
AMBIKA	YES	YES	YES	Sit

5)	Summary	Report

Instrument	Name: Cora	alyzer Smart.
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Sr. No.:AES2K0KH12171F

Manufacturer: Tulip Diagnostics (P) Ltd.

Assessment of complete Operational Qualification:

No Deviations: ☐ Deviations: ☐

Deviation	Impact on Operation	Justification for Acceptance
NIL		

Successful completion of the preceding activities and checks indicates that this Instrument is operating satisfactorily following delivery and installation.

Tulip Diagnostics (P) Ltd.

The instrument has passed the Operational Qualification procedure and may now be released for use.

OQ Completed By:	RAMESH S	Date: 08.09.21	Sign:
Deviations Approved By:		Date:	Sign:
OQ Approved By:	RAMESH S	Date: 08.09.21	Sign:

Performance Qualification For (Coralyzer Smart)

Contents

- 1) Performance Check
- 2) Routine Maintenance
- 3) Safety Tests
- 4) Summary Report

1) Performance Check

Bio-chemestry Analyzer (Coralyzer Smart)

Functional Test	Acceptance Criteria	Pass	Fail
Instrument power ON	Login the software and shows the main menu as seen below: **Group Appear Supplements** **Service Process California **Servi	PASS	
Reaction Tray	Movement / Positioning		
Reagent / Sample tray	Movement /Positioning	✓	
Wash Arm	Movement		
Reagent /Mixer Arm	Movement	✓	
Test Repeatability.	EP / KIN and FXT , minimum repeats of 5 each	\square	

2) Routine Maintenance

This instrument has been designed for Blood Testing. If any fault occurs, it is advised to contact Tulip Diagnostics Service Engineer.

The frequency with which routine maintenance tasks are being completed should be recorded below.

Routine Maintenance	Date	Done	Not Done
GENERAL ROUTINE SERVICE	08.09.21	DONE	

3) Safety Tests

This instrument confirms to the following standards and is supplied fully tested by the Manufacturer.

- Electrical equipment for measurement, control and laboratory use.
- Instrument requirement for laboratory for Blood testing.

The following electrical safety tests should be carried out by a competent person after Installation.

Safety Tests	Pass	Fail	Date	Signed
Earthing			08.09.21	(1) 92
UPS Supply	\square			2:158.01

4) Summary Report

nstrument Name: Coralyzer Smart	•	
or. No.:AES2K0KH12171F		
Manufacturer: Tulip Diagnostics (P)	Ltd.	
Assessment of complete Performan	nce Qualification:	
No Deviations:	Deviations:	
Deviation	Impact on Operation	Justification for Acceptance
	Impact on Operation	Justification for Acceptance
Deviation	Impact on Operation	Justification for Acceptance

Successful completion of the preceding activities and checks indicates that this Instrument is operating satisfactorily following delivery and installation. The instrument has passed the Operational Qualification procedure and may now be released for use.

RAMESH S	Date:	08.09.21
	Date:	
RAMESH S	Date:	08.09.21
		Date:

Comments:

5. 508/09/27