Transasia Bio-Medicals Ltd., 109-110, 1st Floor8, Deep Shikha Building, Rajendra Place, New Delhi - 110 008 Tel.: 011 - 25732223 Fax: 011-25785451 Email: nz1@transasia.co.in CIN: U33110MH1985PLC036198 Date: 01 Nov 2021





Calibration Certificate

Name of Customer Dr D

Dr Das Path Lab

Instrument Name

Biochemistry Analyser Em200

Instrument Sr.NO.

B200537

Calibration Date 01 Nov 2021

Next calibration Due on 01 Nov 2022

This is to certify that the above mentioned product has been calibration and found to be working satisfactory, QC and samples have been run and value coming in range.

For Transasia Bio-Medicals Ltd. Vineet Kumar Rai Service Engineer



www.transasia.co.in

. HO : Transasia Bio - Medicals Ltd., Transasia House, 8 Chandivali Studio Road, Andheri (E), Mumbai - 400 072,

	() Marved ())				0.120 D.ath-1.12	0550 305 535	1300 305-1265	0.400 4.03 5.45	24,000 224.7 - 260.7	6.580 (89.56 - 110.04	1530 80.8-1554	28回 28色~深岳	030 74-228			NGC-472 (050)	1/1		
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01464-2021	Test	QTPOS	800TD	NEN	BID	BIT	UREA	CRENZ	GLU	TRIG	CHOL	HDLC	UA	CA	ALB	PRO			
: Controls	Consumable	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD 12	BIORAD L2	BIORAD L2	BIORAD 12		20-Dec-2021	
Report Type	Lot #	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD L2	BIORAD 1.2	C I UNION	BIORAD L2		BIORAD L2		Print Date	
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NO 15	•	1NIV	3 BI	INE											/	6	1	-	11

	TRANSASIA BIOMEDICALS	LIMITED	
the state of the second	INSTALLATION QUALIFIC	CATION	TDAMEACIA
Instrument Name EM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd

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S. No	Title	Page No
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	TRANSASIA BIOMEDICALS	LIMITED	
Instrument Name EM200	INSTALLATION QUALIFIC Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID	TRANSASIA Bio-Medicals Ltd.

1.0 PRE APPROVAL

1.1 Prepared By

Name	Designation	Signature	Date	
Anubhav Sharma	DY.R.S.M Service	Ameller	01-11-2017	

1.2 Checked By

Name	Designation	Ciment	
	Designation	Signature	Date
		i ta shekara ka shekar	
		- and the second	
	a second s		

1.3 Approved By

3

Name	Designation	Signature	Date
Dr.R.Srivastva	Pathologist	Q2	01-11-2017

Note: After the Pre-Approval, this document is effective for the execution.

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		TRANSASIA BIOMEDICALS		
Ins	trument Name	INSTALLATION QUALIFIC	LIMITED	
EM	1200	Clinical Chemist	CATION	
		Dr.Dass Path Lab	Instrument ID B200537	TRANSASIA Bio-Medicals Lin
2.0	OBJECTIVE			interest Lill
	The objective Chemistry Ran	of this document is to provide a dom Analyzer) and to verify that t	n outline for the insp he following boundar	pection of EM 200 (Big
	 Each Instal 	led subcomponent complies with an specifications & manufacturer's		sign and instrument dat
	 To ensure qualification 	that all the safety features are rexercise.	defined before the	start up of operationa
		meets the current regulatory requi		
		he Standard operating procedures	for Operational Quali	fication.
	SCOPE			
	The scope of this instrument within	s protocol is to outline procedure	for Installation qualit	fication of the subjected
	 Identification 	s protocol is to outline procedure the following boundaries: and verification of its Major com Classification and Verification	ponents / Accessories	
	 Identification Identification Devices 		ponents / Accessories of Process Control 1	
	 Identification Identification Devices Identification 	and verification of its Major com Classification and Verification	ponents / Accessories of Process Control 1 nstruction	
c	 Identification Identification Devices Identification Identification 	and verification of its Major com Classification and Verification and verification of Material of Co	ponents / Accessories of Process Control 1 instruction lities	
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	TRANSASIA BIOMEDICALS	LIMITED	
the second s	INSTALLATION QUALIFIC	CATION	
Instrument Name EM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	TRANSASIA® Bio-Medicals I tr

5.0 INSTRUMENT DESCRIPTION

The Clinical Chemistry Analyzer is an open, full automated, discrete, patient prioritized, random access, computerized analyzer.

Technical Specifications:

System Type	
	Open, Automated, Discrete, Random Access, Patient Prioritized, 1/2 Reageants
Analysis Speed	200 Biochemistry tests per hour 400 tests per hour (with ISE) for a cycle time of 18 seconds
Display resolution	1024 X 768
Analyzer Dimensions	810 (W) x 800 (D) x 600 (H) mm
Number of tests on board	Maximum: 50
Assay Modes	1-point, 2-point, Rate-A and Rate -B, ISE optional
Calibration	Linear (two point and multi point), Factorized and Non-linear multipoint
Sample (Tubes / Cups)	Primary tubes of 5, 7 or 10mL & sample cups
Photometric Optics	Mono and Bi-chromatic measurement using 8 wavelengths
Absorbance Range	0-2.5
Auxiliary Data	10,000 results
Interface	RS-232 C port for Bi-directional Communication
Stat Sampling	Total 30 positions

	TRANSASIA BIOMEDICALS		
Instrument N	AND TALLATION OUALIEI	ATTON	TDANKACIA
FM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd

Purpose:

The purpose of this instrument is to analyze the bio-chemical parameters, such as Sugar, Cholestrol, Tri-glycerides, Proteins, etc.

The working unit of the analyzer comprises the following:

- Basic operating unit with an intelligent photometer
 - Sophisticated robotics combined with an operating console and a central processing unit (CPU).

Operating Unit:

The operating unit of the analyzer includes the sample and reagent handling systems. The sample handling system consists of a sample tray, sample arm, sample syringe and a wash station for the

Photometric System:

The photometric system consists of 45 hard glass cuvettes, multi wavelength diffracting photometer and a halogen lamp.

Operating Console:

The operating console consists of a touch screen (optional) color TFT monitor, a key board and a mouse.

CPU (Central Processing Unit):

CPU consists of Pentium - IV 1.7 GHz processor (or Higher) with a 48 x CD Drive, and minimum 256 MB memory. The application software can be installed on computers with operating systems of Windows XP.

Besides the above mentioned, this analyzer has got the unique Software and Hardware features.

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A CONTRACTOR OF	TRANSASIA BION	MEDICALS	LIMITED		
Instrument Name EM200	INSTALLATION Clinical Chemistry Dr.Dass Path Lab	V QUALIFIC	CATION Instrumer B200537	nt ID	TRANSASIA® Bio-Medicals Ltd
	TION OF MAJOR	COMPONE	NTS / ACCI		
Name of Comp	Name of Component / Accessories		Present		V Q
and the second se		Yes / No		Verified by Signature	
Sample Tray / D	isk	Y	'es	Anuser	tel ace fund
Sample Syringe	Sample Syringe		24 1		Gr.'
Sample Probe		Yes			
Wash Station for Sample Probe		Yes			
Reagent Tray / Dis	Reagent Tray / Disk				
Reagent Bottles		Yes	-		T SHERE'S
Reagent Probe		Yes			
		Yes			
	tirrer				
ermanent Reaction		Yes			
Stage Laundry Sys	tage Laundry System				
tht Source		Yes			
nple Cups		Yes	111		

	TRANSASIA BIOMEDICALS	LIMITED	
	TRANSASIA		
Instrument Name EM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd.

7.0 INSTALLATION CHECK / REVIEW

	o. Statement	Yes / No	Verified by Signature
1.	Verify that the "as built' drawings are complete and represent the design concept	Yes	Anusley
2.	Verify that major components / accessories are securely anchored and shock proof.	Yes	
3.	Verify that there is no observable physical damage.	Yes	
4.	Verify that there is sufficient room of servicing provided	Yes	
5.	Verify that all utilities and electrical connections have been done according to the drawings.	Yes	
5.	Walking access to ground mounted instrument provided.	Yes	
•	Required electric connections are tight, weather proof and earthed.	Yes	
1	instrument identification nameplate visible.	Yes	
p	Units installed on foundation and secure in lace as per manufacturer's ecommendations.	Yes	
V	erify that the instruments installed and veled properly on the floor.	Yes	
Ve	erify that the Material of Construction is oper and meeting the requirements.	Yes	

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nstrumont N	TRANSASIA BIOMEDICALS INSTALLATION QUALIFIC	CATION	TDANCACIA
EM200	Clinical Chemistry Analyzer	Instrument ID	TRANSASIA®
	Dr.Dass Path Lab	B200537	Bio-Medicals Ltd.

8.0 INSPECTION CHECK / REVIEW

Instructions for completing the check / review

 For each data sheet, record the required information with pen. Wherever required record "Yes" for acceptance, "No" for non-compliance and "NA" for not applicable.

"No" replies must be explained / justified.

- When more than one component of same specification/type exists in the same equipment, individual data sheets should be filled for each component.
- 3. When a list of acceptable options is presented, tick (\checkmark) the option that is actually present.
- 4. In the "Method of Verification" column indicate that item is installed and inspected according to manufacturer's specifications, such as by Visual / Physical, SOP, Test Certificate, Manual, etc.

And the second second	TRANSASIA BIOMEDICALS	LIMITED	
INSTALLATION QUALIFICATION			TRANSASIA
Instrument Name EM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd.

Instrument/ Component Name: Sample Tray / Disk

Date :01-11-2017

Description	Specified	Actual	Method of Verification	Verified by
No. of patient cups / samples	30 positions	30	vertileation	Signature
Standards / Stat	30 positions	30		
Blank	Can be put on any position	Ok		
ISE positions (Optional)	Can be programmed on any positions	Optional		
Controls	Can be programmed on any positions	Ok		

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-	TRANSASIA BIOMEDICALS	LIMITED	
INSTALLATION QUALIFICATION			TRANSAJIA
Instrument Name EM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Mediczis Ltd.

Instrument/ Component Name: Sample Tray / Disk

Date :01-11-2017

Description	Specified	Actual	Method of Verification	Verified by Signature
No. of patient cups / samples	30 positions	30		huisia
Standards / Stat	30 positions	30		
Blank	Can be put on any position	Ok		
ISE positions (Optional)	Can be programmed on any positions	Optional		
Controls	Can be programmed on any positions	Ok		

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TRANSASIA BIOMEDICALS		
	LIMITED	
Clinical Chemister		TRANSASIA
Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd.
	Clinical Chemistry Analyzar	Dr.Dass Path Lab

Instrument/ Component Name: Sample Syringe

Date :

Description	Specified	Actual	Method of Verification	Verified by Signature
Dispensing Volume	2 – 70 µL	2 – 70 μL	· crinication	Justan
Installed Location	Behind the instrument on the right side	Ok	E	
Quantity	01 No.	01	120124	
ncrease in lispensing volume	0.2 μL	0.2	1	

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	TRANSASIA BIOMEDICALS	LIMITED	TDANGACIA
Instrument Name EM200	INSTALLATION QUALIFIC Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd.

Instrument/ Component Name: Sample Probe

Date : 01-11-2017

Description	Specified	Actual	Method of Verification	Verified by Signature
Aspiration Volume	2 – 70 µL	2 – 70 µL		Anusles
MOC	Teflon coated	Teflon coated		
Quantity	01 No.	01		No. Sugar
Increase in aspiration volume	0.2 μL	0.2		

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TRANSASIA BIOMEDICALS LIMITED			TRANSASIA
INSTALLATION QUALIFICATION			IKANDADIA
Instrument Name EM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd.

Instrument/ Component Name: Wash Station for Sample Probe

Date : 01-11-2017

Description	Specified	Actual	Method of Verification	Verified by Signature
No. of position	01 No	01		Anuesta
Type of positions	i) Drain	Drain		
	ii) Trough	Trough		

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	TRANSASIA BIOMED	ICALS LIMI	TED	The summer of the
Instrument Name	INSTALLATION QU	ALIFICATI	ON	TRANSASIA
EM200	Clinical Chemistry Ana Dr.Dass Path Lab		trument ID 00537	Bio-Medicals Ltd.
Date : 01-11-2	017			
Description	Specified	Actual	Method of Verification	Signature
Description Cool reagent di	sk 50 positions	50		Signature
Description	Specified	102001/0000		Cit and the second
Description Cool reagent di	sk 50 positions	50		Signature

01-11-2017

Counter-

seconds

Clockwise Every 18

Maintenance of

Rotation of disk

Time for Rotation

of one Cuvette

Temperature

8-12°C \pm 2°C

Counter-Clockwise

Every 18 seconds

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	TRANSASIA BIOMEDICALS	LIMITED	
	INSTALLATION QUALIFIC		TDANCACIA
Instrument Name EM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd

Instrument/ Component Name: Reagent Bottles

Date : 01-11-2017

Description	Specified	Actual	Method of Verification	Verified by Signature
Minimum Capacity		20 ml		Amester
Maximum Capacity	y 50 mL	50 ml		41
Quantity (Large)	25 Nos'	25		
Quantity (Smaller)	25 Nos'	25		
Туре	Screw Capped	Screw Capped		
Outer ring position	20 mL bottles & 5ml adaptors	20 mL bottles & 5ml adaptors		
Inner ring position	20 mL & 50 mL bottles & 5ml adaptors	20 mL & 50 mL bottles & 5ml adaptors		
MOC	Plastic	Plastic		
Adaptor	50 Nos'	50 Nos'		
Adaptor Capacity	5 mL	5 mL		
dentification of Reagents	Barcode labels on the reagent containers	Barcode labels on the reagent containers		

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	TRANSASIA BIOMEDICALS	LIMITED	
	INSTALLATION QUALIFIC		TRANSASIA
Instrument Name EM200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd.

Instrument/ Component Name: Reagent Probe

Date : 01-11-2017

Description	Specified	Actual	Method of Verification	Verified by Signature
Aspiration/Dispensing Volume	R1: 50 - 300 µL	R1: 50 - 300 µL		Auster
	R2: 0 or10 – 300 μL	R2: 0 or10 - 300 μL		Uque
MOC	Teflon coated	Teflon coated	- Filme	
Quantity	02 Nos'.	02 Nos'.		
Increase in aspiration/dispensing volume	1 μL	1 μL		

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1

	RANSASIA BIOMED	ALIFIC	ATION	TRANSASIA®
	linical Chemistry And r.Dass Path Lab	alyzer	Instrument ID B200537	Bio-Medicals Ltd.
Instrument/ Com Date : 01-11-2017	iponent Name: Reage	ent Syrin	ge	
Description	Specified	Actual	Method of Verification	Verified by Signature
Maximum capacity	500 μL	500		the second se
Installed Location	At the back of the instrument on the right side			- America
Quantity	01 No.	01		
Increase in dispensing volume	1 μL	1 μ	L	

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	TRANSASIA BIOMEDICALS	LIMITED	and the second
	INSTALLATION QUALIFIC	CATION	TRANSASIA
M200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bo-Medican Litt.

Date : 01-11-2017

Description	Specified	Actual	Method of Verification	Verified by Signature
Туре	Single Stirrer	Single Stirrer		much
No. of paddles	01 No.	01 No.		M

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TRANSASIA BIOMEDICALS	LIMITED	
 THE REAL PROPERTY AND A DESCRIPTION OF THE PROPERTY OF THE PRO	A CREW COMPANY	TRANSASIA
Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd.

Instrument/ Component Name: Permanent Reaction Cuvette

Tag/Identification No.:

Date : 01-11-2017

Description	Specified	Actual	Method of Verification	Verified by
Quantity	15.21		Withou of vermeation	Signature
	45 Nos'	45 Nos'		
MOC	Hard Glass	Hard	The second second	musen
Capacity		Glass	and the second and the second second	
- apacity	770 µL	770 µL		

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	TRANSASIA BIOMEDICALS INSTALLATION QUALIFIC	CATION	TDANCACIA
ient Name	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd.

Date : 01-11-2017

Description	Specified	Actual	Method of Verification	Verified by Signature
Nozzles	Nozzle - 1	Nozzle - 1		
	Nozzle – 2	Nozzle – 2		Anuska
	Nozzle – 3	Nozzle – 3		
	Nozzle – 4	Nozzle – 4		
	Nozzle – 5	Nozzle – 5		
	Nozzle – 6	Nozzle – 6		
	Nozzle - 7	Nozzle - 7		

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II

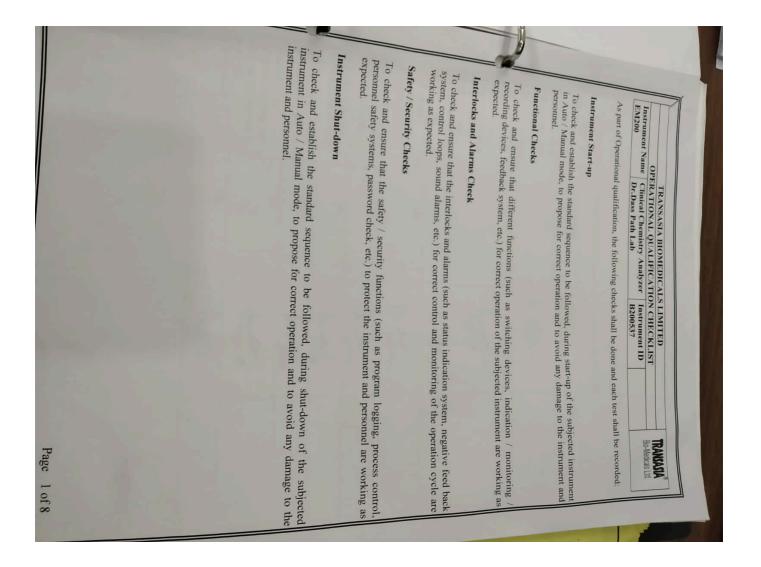
switch of the analyzer.	Switch OFF the side switch of the analyzer.	Switch OFF the computer.	Water Save	Sample Probe Wash	Refer the Operator'	TRANSASIA OPERATIONAL Q Instrument Name Clinical Chemi EM200 Dr.Dass Path L S.0 INSTRUMENT SHUT-DOWN:	
Ok Phundbal	Ok Anneth	Ok Amely	Ok Mussdul	Ok Verified by (Sign & Date)	Refer the Operator's Manual for the procedures, for the following activities:	TRANSASIA BIOMEDICALS OPERATIONAL QUALIFICALS LIMITED Name Clinical Chemistry Analyzer Instrument ID Dr.Dass Path Lab Instrument ID MENT SHUT-DOWN: B200537	
				Remarks	ties:	Bio-Medicals Ltd	

For Transasia Biomedicals Ltd Prashant kumar Service Engineer.	Instrument Sr. No. : B 200537 This is to certify that the above mentioned product does not require any instrument calibration.	Name ofCustomer : DR.DAS PATHLAB Instrument Name : BIO CHEMISTRY ANALYSER	CALIBRATION CERTFICATE	Trimissia Bic-Medicais Ltd., 109-110, 1st floor, 8, Deep Shiwha Building, Rajendra Pitaze, New Dahh - 110 009 fre: 011 - 25723223 Fax: 011 - 25785461 Email: "nz1@transasia co.in CNV 103110Mr11869FLC038198
	es not require any instrument	EM200		TRANSASIA NING N

OPP Instrument Name EM200	4.0 SAFETY / SECURITY CHECKS:	Refer the Operato	Action	Password Check for Test Parameters	Password Check for QC Mode
TRANSASIA BIOMEDICALS LIMITED OPERATIONAL QUALIFICATION CHECKLIST me Clinical Chemistry Analyzer Instrument ID Dr.Dass Path Lab B200537	URITY CHECKS:	<i>Refer the Operator's Manual for the procedures, for the following activities:</i>	Observation	Ok	C Ok
ALS LIMITED TION CHECKLIST er Instrument ID B200537		s, for the following activit	Verified by (Sign & Date)	Annalis	Aurila
TRANSASIA® Bip-Medicals Ltd		ties:	Remarks		

TRANSASIA BIOMEDICALS LIMITED OPERATIONAL QUALIFICATION CHECKLIST Instrument Name OPERATIONAL QUALIFICATION CHECKLIST Clinical Chemistry Analyzer Instrument ID B200537 Dr. Dass Path Lab B200537 B200537 B200537 B200537 Dr. Dass Path Lab B200537 B2005	OPE Instrument Name EM200 3.0 INTERLOCKS A Refer the Operator Action Less volume of Distilled Water Less volume of Wash Solution	Action	Less volume of Distilled Water	Less volume of Wash Solution	More volume of Bio- Hazard waste	More volume of Normal / General waste
	TRANSASIA BIOMI Clinical Chemistry A Dr.Dass Path Lab AND ALARMS CHEO 's Manual for the proc Observation Ok	Observation	Ok	Ok	Ok	Ok
	Remarks	Remarks				

OF Instrument Name EM200 2,3 Calibration: Refer the Operation	Action	Blank (Distilled Water)	Standard (Multical)
TRANSASIA BIOMEDICALS LIMITED OPERATIONAL QUALIFICATION CHECKLIST Clinical Chemistry Analyzer Instrument ID Dr.Dass Path Lab B200537 B200537 B200537	Observation	er) Ok	Ok
TRANSASIA BIOMEDICALS LIMITED OPERATIONAL QUALIFICATION CHECKLIST strument Name Clinical Chemistry Analyzer Instrument ID M200 Dr.Dass Path Lab B200537 Calibration: Refer the Operator's Manual for the procedures, for the following activities:	Verified by (Sign & Date)	America	Auchalin
TRANSASIA Bio-Medicals Litt	Remarks		



	unualization	computer and start the analyzer application software.	Switch ON the side	switch of the analyzer.	of Normal Waste.	availability of Biohazard Waste.		Filing of double distilled / de-ionized water and Cleaning respective cans.	required electrical connections are properly connected	Action Ensure these all st.	Refer the Operator	TRANSASI OPERATIONAL Instrument Name Clinical Che EM200 Dr.Dass Pat 1.0 INSTRUMENT START. Inc.	
	Ok	Ok	Ok	Ok	Ok	Ok	Ok	Ok	Ok	Observation	's Manual for the procedu	TRANSASIA BIOMEDICALS LIMITED OPERATIONAL QUALIFICATION CHECKLIST me Clinical Chemistry Analyzer Instrument ID Dr.Dass Path Lab B200537	
	Anuster 2	Anuslav	Armstor ,	Anuston	Anuster	Anusad	Auchar	Annison -	Annasteria	Verified by (Sign & Date)	Refer the Operator's Manual for the procedures, for the following activities:	CALS LIMITED AATION CHECKLIST yzer Instrument ID B200537	
Page 2 of 8										Remarks	ies:	Bio-Medicals Ltd	

TRANSASIA BIOMEDICALS LIMITED OPERATIONAL QUALIFICATION CHECKLIST trument Name Instrument ID Instrument ID FUNCTIONAL CHECKS: Maintenance: Value Verified by Refer the Operator's Manual for the procedures, for the following activities: Verified by Remarks orneter functioning Ok Muualut Muualut ork Muualut Muualut Remarks tte Rinse Ok Muualut Instrument ID		Cuvette Rinse	Photometer functioning	Activity	Refer the Operator's	2.1 Maintenance:	TRANSAS OPERATIONA Instrument Name Clinical Cl EM200 Dr.Dass P
CALS LIMITED ATION CHECKLIST yzer Instrument ID B200537 B200537 Verified by (Sign & Date) Anumbral Anumbral Anumbral Anumbral		Ok	Ok	Observation	Manual for the procedu	and cannot	RANSASIA BIOMED ATTONAL QUALIFIC linical Chemistry Anal r.Dass Path Lab
		Anudad	Anuared	Verified by (Sign & Date)	ures, for the following activities		ICALS LIMITED CATION CHECKLIST lyzer Instrument ID B200537

Dead Volume Check & 2 Reagent Chemistry	Reagent Level Scan,	2.2 Loading of Reagents: Refer the Operator's M	OPERA Instrument Name Cli EM200 Dr	TH
ØK		s: Manual for the procedure:	RATIONAL QUALIFICATI Clinical Chemistry Analyzer Dr.Dass Path Lab	TRANSASIA BIOMEDICALS LIMITED
a te i fuitz	(Sign & Date)	Loading of Reagents: Refer the Operator's Manual for the procedures, for the following activities:	r Instrument ID B200537	ALS LIMITED
		Remarks	Bio-Medicals Ltd.	TRANSASIA

ww.transasia.co.in HO: Transasia Bio - Medicals I td Authorized Signatory For Transasia Bio-Medicals Ltd., ¹⁷/msssia Bio-Medicals Ltd., 109-110, 1st Floor, 8, Deep Shikha Building, Rajendra Place, New Dehi - 110 008 Tel.: 011-2573223 Fax: 011-25785461 Email: nz1@transasia.co.in CIN: U33110MH1985PLC036198 Biochemistry analyzer Erba EM200. user maintenance of the instrument fully Automated Lab New Delhi has undergone training on the operation and This is to certify that Mr.Suraj Singh working in Dr.Dass Path Certificate of Training TRANSASIA ARANISAS'S Erba

	TRANSASIA BIOMEDICALS	LIMITED	
	INSTALLATION OUALIFIC	ATION	TDANCACIA
strument Name 1200	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd

9.0 **IDENTIFICATION AND VERIFICATION OF MATERIAL OF CONSTRUCTION** Identify and list down all components of the equipment for its material of construction.

Method of Test may be Molybdenum Test, Test Certificate, Manual, etc.

Component (s)	Material of Construction	Actual	Method of Verification	Verified by Sign & Date
Sample Probe	Teflon coated	Teflon coated		Anuser
Reagent Probe	Teflon coated	Teflon coated		01
Permanent Reaction Cuvette	Hard Glass	Hard Glass		
Light Source	Halogen	Halogen		
Reagent Bottle	Plastic	Plastic		
Sample Cups	Plastic	Plastic		

	TRANSASIA BIOMEDICALS	LIMITED	
	INSTALLATION QUALIFIC	TATION	TDANK
ient Name	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medica

ment vame	
Instrument Name	Dr
EM200	

Instrument ID B200537

	TRANSASIA	
-		
	Bio-Medicals Lt	u

AIZ

10.0 IDENTIFICATION AND VERIFICATION OF SUPPORTING UTILITIES

List the supporting utilities and record whether or not they are properly connected and identified.

Utilities	Observation / Result	Verified by Sign & Date
Power	Power	America
Distilled Water	Distilled Water	ada
Wash Solution	Wash Solution	
UPS	UPS	

	TRANSASIA BIOMEDICALS	LIMITED	
	INSTALLATION QUALIFIC	TRANSASIA	
ne	Clinical Chemistry Analyzer Dr.Dass Path Lab	Instrument ID B200537	Bio-Medicals Ltd

Instrument N EM200

$1^{1,\theta}$ IDENTIFICATION OF STANDARD OPERATING PROCEDURE

SOP No.	Title
Operation	Operation of Bio-Chemistry Random Analyzer
Calibration	Calibration of Parameters
Controls	Checking of Controls for Parameters
Maintenance	Maintenance / Checking of Distilled water, Waste, Wash solution, Cuvette rinse, Sample probe wash and Water save
Cleaning	Cleaning of Instrument surface

ment Name 0	Clinical (Dr.Dass	Chemistry Analyses	Instrument ID B200537	
POST APP	ROVAL:			
16.1 CI	necked by			
Nar			Signature	Date
1141	ne	Designation	Apuesta	01-11-2017
Anubhav	Sharma	Dy.R.S.M.Service	Aprila	
	1			

Name	Designation		1-11-2017
Dr.R.Srivastva	Pathologist	103.	

Note: This report is effective from the date of approval.

	TRANSASIA BION INSTALLATION Clinical Chemistre	MEDICALS L	IMITED	1
nstrument Name M200	Clinical Chemistry Dr.Dass Path Lab		ATION Instrument ID B200537	TRANSASIA® Bio-Medicals Ltd.
Date : 01-11-2 Description		A		Verified by
	Specified 12 W	Actual	Method of Verification	Verified by Signature
Description	Specified	Actual 12 W 12 V	Method of Verification	Signature
Description Watts	Specified 12 W	12 W	Method of Verification	

		TRANSASIA BIOMEDICAL PERFORMANCE QUALIF		
Instrun EM200	nent Name	Clinical Chemistry Analyzer DR.DASS PATH LAB	Instrument ID B200537	TRANSASTA Bio-Medicals Ltd.
		TABLE OF C	ONTENTS	
S. No		Title		Page No
1.0	Pre approva	l		2
2.0	Objective			3
3.0	.0 Scope			
4.0	Pre- Requis	ites		3
5.0	Execution T	leam		3
6.0	Test Plan			4
7.0	Execution o	f Test Plan		5
8.0	Deficiencies	s / Deviations		6
9.0	9.0 Summary and Evaluation			
10.0	Abbreviatio	ns		8
11.0	Post Approv	val		9

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Instrumer			BIOMEDICALS		
EM200	nt Name		nistry Analyzer	Instrument ID B200537	TRANSAS Bio-Medicals I
1.0 PRE	E APPROV	VAL			
1.1	Prepare	d By			
	I	Name	Designation	Signature	Date
	Nav	zeen Jain	Application Specialist	Aunup	1-11-2017
		Name	Designation	Signature	Date
1.3	Approve	ed By			
		Name	Designation	Signature	Date

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	TRANSASIA BIOMEDICALS	LIMITED		
	PERFORMANCE QUALIFI	CATION		_ ®
Instrument Name EM200	Clinical Chemistry Analyzer DR.DASS PATH LAB	Instrument ID B200537	TRANSAS Bio-Medicals	A I.td.

2.0 **OBJECTIVE**

The objective of this protocol is to establish documented evidence for the Performance Qualification of XL 640 (Bio-Chemistry Random Analyzer) and to ensure that the results obtained are within the pre-determined Acceptance Criteria.

3.0 SCOPE

The Scope of this protocol is applicable to XL640 (Bio-Chemistry Random Analyzer).

4.0 **PRE-REQUISITES:**

Following Pre-requisites are required before the execution of Performance Qualification.

- Completion of Installation Qualification prior to PQ.
- Completion of Operational Qualification prior to PQ.

5.0 EXECUTION TEAM

Name	Department	Designation	Signature

	TRANSASIA BIOMEDICALS	LIMITED		
	PERFORMANCE QUALIFI	CATION		R
Instrument Name EM200	Clinical Chemistry Analyzer DR.DASS PATH LAB	Instrument ID B200537	TRANSA: Bio-Medicals	A .td.

6.0 TEST PLAN

The following tests shall be followed, during the Performance Qualification of EM200 (Bp-Chemistry Random Analyzer).

Test Parameter	Acceptance Criteria	Test Procedure / Reference
Glucose	Data Attached Separately	
Urea	Data Attached Separately	
Creatinine	Data Attached Separately	
Uric Acid	Data Attached Separately	
T.Bilirubin	Data Attached Separately	
D.Bilirubin	Data Attached Separately	
SGOT	Data Attached Separately	
SGPT	Data Attached Separately	
ALP	Data Attached Separately	
Protein	Data Attached Separately	
Albumin	Data Attached Separately	
Cholesterol	Data Attached Separately	
Triglyceride	Data Attached Separately	
HDL Cholesterol	Data Attached Separately	
Calcium	Data Attached Separately	

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	TRANSASIA BIOMEDICAL	S LIMITED		
	PERFORMANCE QUALIF	ICATION		R
Instrument Name EM200	Clinical Chemistry Analyzer DR.DASS PATH LAB	Instrument ID B200537	TRANSAS Bio-Medicals	A [®] .td.

9.0 SUMMARY AND EVALUATION:

Inter Instrument, Linearity, Carry Over and Accuracy Data Attached Separately.

Reviewed by:

Name	Signature	Date
		Page 5 of 7

		TRANSASIA BIOMEDICALS PERFORMANCE QUALIF			
Instr EM20	rument Name 00	Clinical Chemistry Analyzer DR.DASS PATH LAB	Instrument ID B200537		TRANSASI/ Bio-Medicals Lto
	Naveen Ku	ımar Jain	unanf	1-11-2017	
10.0	ABBREVIAT	TIONS			
	SOP	Standard Operating Procedure			
	МОС	Material of Construction			
	PQ	Performance Qualification			

			ASIA BIOMEDICALS I ORMANCE QUALIFIC	ATION		
nstrun M200	nent Name	Clinical DR.DAS	Chemistry Analyzer SS PATH LAB	Instrument ID B200537		TRANSA Bio-Medicals
1.0	POST APPI	ROVAL		·		
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	Nan	ne	Designation	Signature	E	Date
	Naveen I	Kr.Jain	Application Specialist	Dunup	1-11-201	17
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	Ň	lame	Designation	Signature		Date 1-2017
		lame	Designation	Signature)ate 1-2017
	Dr.R.SRIV	l <mark>ame</mark> /ASTVA	Designation	C3.		
	Dr.R.SRIV	l <mark>ame</mark> /ASTVA	Designation Pathologist	C3.		
	Dr.R.SRIV	l <mark>ame</mark> /ASTVA	Designation Pathologist	C3.		
	Dr.R.SRIV	l <mark>ame</mark> /ASTVA	Designation Pathologist	C3.		
	Dr.R.SRIV	l <mark>ame</mark> /ASTVA	Designation Pathologist	C3.		

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