TRANSASIA BIOMEDICALS LIMITED		TRANSASIA®	
INSTALLATION QUALIFICATION		40. 44. 0. 1. 20.2	
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

TABLE OF CONTENTS

S. No	Title	Page No
1.0	Pre Approval	2
2.0	Objective	3
3.0	Scope .	3
4.0	Execution team	4
5.0	Instrument description	5 - 6
6.0	Identification of Major components / accessories	7
7.0	Installation check / review	8
8.0	Inspection check / review	9 – 23
9.0	Identification and verification of material of construction	24
10.0	Identification and verification of supporting utilities	25
11.0	Identification of standard operating procedure	26
12.0	Identification and verification of documents	27 - 28
13.0	Deficiencies / Deviations	29
14.0	Summary and Evaluation	30
15.0	Abbreviations	31
16.0	Post Approval	32

TRANSASIA BIOMEDICALS LIMITED		ED ANICACIA®
INSTALLATION QUALIFICATION		TRANSASIA
Instrument Name Clinical Chemistry Analyzer Instrument ID		Bio-Medicals Ltd.

1.0 PRE APPROVAL

1.1 Prepared By

Name	Designation	Signature	Date
131m. N.m	56. Asm	033	12/4/21

1.2 Checked By

Name	Designation	Signature	Date
Bim. N.	378. Asm	033	12/4/21

1.3 Approved By

Name	Designation	Signature	Date
BIMNO	5-6. 195m	000	12/4/21

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

	TRANSASIA BIOMEDICALS	LIMITED	
INSTALLATION QUALIFICATION			TRANSASIA
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

2.0 OBJECTIVE

The objective of this document is to provide an outline for the inspection of EM 200 (Bio-Chemistry Random Analyzer) and to verify that the following boundaries:

- Each Installed subcomponent complies with the engineering design and instrument data sheet / design specifications & manufacturer's recommendations.
- To ensure that all the safety features are defined before the start up of operational qualification exercise.
- The system meets the current regulatory requirements.
- To identify the Standard operating procedures for Operational Qualification.

3.0 SCOPE

The scope of this protocol is to outline procedure for Installation qualification of the subjected instrument within the following boundaries:

- Identification and verification of its Major components / Accessories
- Identification, Classification and Verification of Process Control Instruments / Gauges / Devices
- Identification and verification of Material of Construction
- Identification and verification of Supporting Utilities
- Identification of Standard Operating Procedures
- Identification and Verification of Documents

TRANSASIA BIOMEDICALS LIMITED			TDANGAGIA®
INSTALLATION QUALIFICATION		TRANSASIA	
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

4.0 EXECUTION TEAM

Name	Department	Designation	Signature
Jing Rehardren	Brochemistry	Brochemist quality Minager	Ami 4
	The section will ?	transfer a	
	The Contraction		

TRANSASIA BIOMEDICALS LIMITED		TOANCACIA	
INSTALLATION QUALIFICATION		TRANSASIA	
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

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	

Page 5 of 32

TRANSASIA BIOMEDICALS LIMITED		TO AMEACIA®	
INSTALLATION QUALIFICATION		TRANSASIA	
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	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 sample probe.

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.

	TRANSASIA®
Instrument Name	Bio-Medicals Ltd.

6.0 IDENTIFICATION OF MAJOR COMPONENTS / ACCESSORIES

Details of each major component identified in this section, is recorded in a data sheet under the section 08.0.

N	Present	Verified by	Observations
Name of Component / Accessories	Yes / No	Signature	Observations
Sample Tray / Disk	У	033	
Sample Syringe	X		
Sample Probe	y	, ,	
Wash Station for Sample Probe	9	,	
Reagent Tray / Disk	9	,	
Reagent Bottles	7		
Reagent Probe	J	,	
Stirrer	J	,	
Permanent Reaction Cuvette	y	1	
Stage Laundry System	J	/	
ight Source	J	1	
ample Cups	J	1	
oftware of EM 200	7	/	

TRANSASIA BIOMEDICALS LIMITED

INSTALLATION QUALIFICATION Instrument Name Clinical Chemistry Analyzer Instrument ID

TRANSASIA Bio-Medicals Ltd.

INSTALLATION CHECK / REVIEW 7.0

S. No.	Statement		
1.	Verify that the "as built' drawings are	Yes / No	Verified by Signature
2.	complete and represent the design concept Verify that major components / accessories are securely anchored.	y	000
3,	are securely anchored and shock proof. Verify that there is no observable physical damage.	v	1
4.	Verify that there is sufficient room of servicing provided	7	,
5.	Verify that all utilities and electrical connections have been done according to the drawings.	5	1
6.	Walking access to ground mounted instrument provided.	9	1
7.	Required electric connections are tight, weather proof and earthed.	7	1
8.	Instrument identification nameplate visible.	7	,
9.	Units installed on foundation and secure in place as per manufacturer's recommendations.	5	1
10.	Verify that the instruments installed and leveled properly on the floor.	J	1
11.	Verify that the Material of Construction is proper and meeting the requirements.	7	1

	TRANSASIA BIOMEDICALS	LIMITED	
INSTALLATION QUALIFICATION			TRANSASIA
			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 () 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.

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\$1 <u>6.0)</u>	Can be signed since Secretary	I.	wood at	
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of colonia and a	(as \$6 programmed) (in par shormon)	21	work col-	

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TRANSASIA BIOMEDICALS LIMITED INSTALLATION QUALIFICATION Instrument Name | Clinical Chemistry Analyzer | Instrument ID | Statistics Limited

Instrument/ Component Name: Sample Tray / Disk

Date:

Description	Specified	Actual	Method of Verification	Verified by
No. of patient cups / samples	30 positions	30	Ventred	Signature Jing R charles
Standards / Stat	30 positions	9	venified	- Louis
Blank	Can be put on any position	Í,	verified	
ISE positions (Optional)	Can be programmed on any positions	N-1	ven fied	
Controls	Can be programmed on any positions	73	verified.	

Page 10 of 32

TRANSASIA BIOMEDICALS LIMITED INSTALLATION QUALIFICATION Clinical Chemistry Analyzer Instrument ID



Instrument/ Component Name: Sample Syringe

Date:

Instrument Name

Description	Specified	Actual	Method of Verification	Verified by Signature
Dispensing Volume	2 - 70 pL	2-70HL	Done	July Robata
Installed Location	Behind the instrument on the right side	Edund the ustrant on the roll of	TWE	·for
Quantity	01 No.	CT NO	Done	
Increase in dispensing volume	0.2 μL	0.2 ML	Dine	

Page 11 of 32

	TRANSASIA BIOMEDICALS	LIMITED	EN AVIOLETI [®]
INSTALLATION QUALIFICATION			TRANSASIA
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

Instrument/ Component Name: Sample Probe

Description	Specified	Actual	Method of Verification	Verified by Signature
Aspiration Volume	2 – 70 μL	2 - 70 HL	Done	Jany R chance
MOC	Teflon coated	Teflon contid	Done	l L
Quantity	01 No.	01 No-	Done	
Increase in aspiration volume	0.2 μL	0.2 HL	Done	

TRANSASIA BIOMEDICALS LIMITED INSTALLATION QUALIFICATION Instrument Name | Clinical Chemistry Analyzer | Instrument ID | Bio-Medicals Ltd.

Instrument/ Component Name: Wash Station for Sample Probe

Description	Specified	Actual	Method of Verification	Verified by Signature
No. of position	01 No	01 No	Done	Jany R chand
Type of positions	i) Drain ii) Trough	i)Drain	Lone	-fmir

	TRANSASIA BIOMEDICALS	LIMITED	
INSTALLATION QUALIFICATION			TRANSASIA
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

Instrument/ Component Name: Reagent Tray / Disk

Description	Specified	Actual	Method of Verification	Verified by Signature
Cool reagent disk	50 positions	У		63
Outer Rings	25 positions	γ		1
Inner Rings	25 positions	У		7 1
Adaptors of 5mL	50 positions	У] ,
Maintenance of Temperature	8-12°C ± 2°C	y		7
Rotation of disk	Counter-Clockwise	y		1
Time for Rotation of one Cuvette	Every 18 seconds	У		,

TRANSASIA BIOMEDICALS LIMITED INSTALLATION QUALIFICATION Clinical Chemistry Analyzer Instrument ID

TRANSASIA® Bio-Medicals Ltd.

Instrument/ Component Name: Reagent Bottles

Date:

Instrument Name

Description	Specified	Actual	Method of Verification	Verified by Signature
Minimum Capacity	20 mL	y		
Maximum Capacity	50 mL	y		,
Quantity (Large)	25 Nos'	y		1
Quantity (Smaller)	25 Nos'	y		1
Туре	Screw Capped	7		
Outer ring position	20 mL bottles & 5ml adaptors	y		
Inner ring position	20 mL & 50 mL bottles & 5ml adaptors	Y		
MOC	Plastic	V		1
Adaptor	50 Nos'	Y		,
Adaptor Capacity	5 mL	У		1
Identification of Reagents	Barcode labels on the reagent containers	y		/

TRANSPORTATIONS OF ALSE STREET POSTALLATION OF ALLERS ATTON



Indrament Camp Chekol Chendery Analyses | Incomment ID

Instrument Component Name Respect Frabe

Thirty :

Description	Specified	Actual	Method of Verification	Verified by Signature
Parients Dispersing	k1:50 - 350 11	S 52-3	Dice	Ting R ch
	R2 0000-	to teste	Dead	Lim.
MAC	Telles conted	mella cetti	Dine	
Chamin	42 New .	01 Nas	Dat	
Accesses to expension Depending solution	lpL	IAL	Drue	

	TRANSASIA BIOMEDICALS	LIMITED	8
	INSTALLATION QUALIFIC	CATION	TRANSASIA
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

Instrument/ Component Name: Reagent Syringe

Date:

Description	Specified	Actual	Method of Verification	Verified by Signature
Maximum capacity	500 μL	500uL	Done	Jany R chance
Installed Location	At the back of the instrument on the right side	At the back of the instrument on the night sid	Duile	- Imir
Quantity	01 No.	01 NO	Done	
Increase in dispensing volume	1 μL	INL	Done	

Page 17 of 32

TRANSASIA BIOMEDICALS	LIMITED	
INSTALLATION QUALIFIC		TRANSASIA
Clinical Chemistry Analyzer		Bio-Medicals Ltd.

Instrument/ Component Name: Stirrer

Description	Specified	Actual	Method of Verification	Verified by Signature
Туре	Single Stirrer	У		03
No. of paddles	01 No.	X		1

	TRANSASIA BIOMEDICALS	LIMITED	
INSTALLATION QUALIFICATION			TRANSASIA
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bo-Medica's Ltd.

Instrument/ Component Name: Permanent Reaction Cuvette

Tag/Identification No.:

Date:

Description	Specified	Actual	Method of Verification	Verified by Signature
Quantity	45 Nos'	V		03
MOC	Hard Glass	V		1
Capacity	770 µL	14		1
Capacity	770 µL	y		

Page 19 of 32

TRANSASIA BIOMEDICALS LIMITED INSTALLATION QUALIFICATION Instrument Name | Clinical Chemistry Analyzer | Instrument ID



Instrument/ Component Name: 7 Stage Laundry System

Date:

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

Page 20 of 32

TRANSASIA BIOMEDICALS LIMITED INSTALLATION QUALIFICATION Instrument Name | Clinical Chemistry Analyzer | Instrument ID | Bio-Medicals Ltd.

Instrument/ Component Name: Light Source

Description	Specified	Actual	Method of Verification	Verified by Signature
Watts	12 W	У		033
Volts	12 V	1		7 1
MOC	Halogen	1		1
Quantity	01 No	1		,

	TRANSASIA BIOMEDICALS	LIMITED	
	INSTALLATION QUALIFIC	CATION	TRANSASIA®
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Rin-Medicals 1 tel

Instrument/ Component Name: Sample Cups

Date:

Description	Specified	Actual	Method of Verification	Verified by
Quantity	500 Nos'	1		Signature
MOC		У		000
MOC	Plastic	1		1
Capacity	2 mL	1		
				,

Page 22 of 32

	TRANSASIA RIOMEDICALE	LIMPERS	
TRANSASIA BIOMEDICALS LIMITED INSTALLATION QUALIFICATION			TRANSASIA®
	Clinical Chemistry Analyzer		And the second s
	The chemistry maryzer	Instrument ID	Bio-Medicals Ltd.

Instrument/ Component Name: Software of EM 360

Description	Specified	Actual	Method of Verification	Verified by Signature
Version				03
CD number				7
Product	EM- 200	X		1
Make	Erba Transasia	У		1

	TRANSASIA BIOMEDICALS	LIMITED	1
INSTALLATION QUALIFICATION			TRANSASIA
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	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	γ		033
Reagent Probe	Teflon coated	1		1
Permanent Reaction Cuvette	Hard Glass	1		1
Light Source	Halogen	1		1
Reagent Bottle	Plastic	1		1
Sample Cups	Plastic	1		1

Page 24 of 32

	TRANSASIA BIOMED	TEALS	Nurses	
And the second s	A NOTALL ATTIVITIES		TO STATE OF THE PARTY OF THE PA	TRANSAGA*
Indrament Name	Clinical Chemistry And	elly rep	Instrument ID	E ROOM

10.0 IDENTIFICATION AND VERHICATION OF SUPPORTING CHILIFIES

List the supporting unlines and record whether or not they are properly connected and admitted.

Utilities	Observation / Result	Verified by Sign & Date
Power	У	03
Dentified Water	,	
Wesh Solution	1	
UM	1	

The certification for the contract of the certification of the certifica



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()Messession	Operation in the Chambers Locken Andrews
(STRANGELINE)	CERTIFICATION OF PERSONS
7 managed by	Charles at Courses in Francisco
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7 September	

Figure Area (a)

	RANSASIA BIOMEDICALS	LIMITED	
INSTALLATION QUALIFICATION			TRANSAS
Instrument Name Clinical Chemistry Analyzer Instrument ID			Bo-Medicals I

11.0 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

	TRANSASIA BIOMEDICALS	LIMITED	
	INSTALLATION QUALIFIC	CATION	-
Instrument Name Clinical Chart		Instrument ID	

TRANSASIA® Ele-Medicals Ltd.

12.2 GENERAL DOCUMENTS

Γitle	Document No.	Verified by Sign & Date
General		
Purchase Order No.	7	CPP-
Warranty Certificate	. 1	1
Invoice	1	,
Test Certificates		
Material of Construction	1	1
Electrical Motor	/	,

TRANSASIA BIOMEDICALS LIMITED INSTALLATION QUALIFICATION			TOANICAC
			TRANSAS
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals L

16.0 POST APPROVAL:

16.1 Checked by

Name	Designation	Signature	Date
Jiny R Chandran	Brochemist Quality Manager	- Imy	12/4/21

16.2 Approved by

Name	Designation	Signature	Date
Jiney Rchardran	Biochemist	my	12/4/21

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

TRANSASIA BIOMEDICALS LIMITED PERFORMANCE QUALIFICATION

Instrument Name

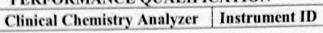




TABLE OF CONTENTS

S. No	Title	Page No.
1.0	Pre approval	2
2.0	Objective	3
3.0	Scope	3
4.0	Pre- Requisites	3
5.0	Execution Team	3
6.0	Test Plan	. 4
7.0	Execution of Test Plan	5
8.0	Deficiencies / Deviations	6
9.0	Summary and Evaluation	7
10.0	Abbreviations	8
11.0	Post Approval	9

Page 1 of 9

	TRANSASIA BIOMEDICALS	LIMITED	TO ALLEA PLA
	PERFORMANCE QUALIFI	CATION	TRANSASIA"
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

1.0 PRE APPROVAL

1.1 Prepared By

Name	Designation	Signature	Date
313 179	56- A5M	03	12/4/21

1.2 Checked By

Name	Designation	Signature	Date
BIZM W.m	56. Bo	03	12/4/21
		a describer	

1.3 Approved By

Name	Designation	Signature	Date
Jiny R chandran	BLOCHEMIST	Imics_	12/4/21

Page 2 of 9

TRANSASIA BIOMEDICALS LIMITED PERFORMANCE QUALIFICATION Instrument Name | Clinical Chemistry Analyzer | Instrument ID | Bolletics Life

2.0 OBJECTIVE

The objective of this protocol is to establish documented evidence for the Performance Qualification of EM 200 (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 EM 200 (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
BION	7		

Page 3 of 9

	TRANSASIA BIOMEDICALS LIMITED TO		TO ANICA CIA®
PERFORMANCE QUALIFICATION		TRANSASIA	
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

6.0 TEST PLAN

The following tests shall be followed, during the Performance Qualification of XL 640 (Bio-Chemistry Random Analyzer).

Test Parameter	Acceptance Criteria	Test Procedure / Reference
Glucose	±4.30	GOD POD
cholesterol	7.04	CHOD- PAP
Calcirm	±0.41	Arsen 9 30 111

Page 4 of 9

	TRANSASIA BIOMEDICALS	LIMITERS	
and the second s	TERFORMANCE OTTAL TO		TO A MELELE
The state of the s		TRANSASIA®	
	- Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd

11.9 POST APPROVAL

11.1 Checked by

Name	Designation	Signature	Date
Janey R Chandran	Quelity Manager	Jane 4	12/4/21

11.2 Approved by

Name	Designation	Signature	Date
Jung R Chandran	Brochemist Quality Manager	Incr_	12/4/21

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

Page 9 of 9

TRANSASIA BIOMEDICALS LIMITED OPERATIONAL QUALIFICATION CHECKLIST

Instrument Name

Clinical Chemistry Analyzer | Instrument ID

As part of Operational qualification, the following checks shall be done and each test shall be recorded:

Instrument Start-up

To check and establish the standard sequence to be followed, during start-up of the subjected instrument in Auto / Manual mode, to propose for correct operation and to avoid any damage to the instrument and personnel.

Functional Checks

To check and ensure that different functions (such as switching devices, indication / monitoring recording devices, feedback system, etc.) for correct operation of the subjected instrument are working as expected.

Interlocks and Alarms Check

To check and ensure that the interlocks and alarms (such as status indication system, negative feed back system, control loops, sound alarms, etc.) for correct control and monitoring of the operation cycle are working as expected.

Safety / Security Checks

To check and ensure that the safety / security functions (such as program logging, process control, personnel safety systems, password check, etc.) to protect the instrument and personnel are working as expected.

Instrument Shut-down

To check and establish the standard sequence to be followed, during shut-down of the subjected instrument in Auto / Manual mode, to propose for correct operation and to avoid any damage to the instrument and personnel.

	TRANSASIA BIOMEDICAL	S LIMITED	TRANSPORT
OPERATIONAL QUALIFICATION CHECKLIST		TRANSASIA®	
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

1.0 INSTRUMENT START-UP:

Refer the Operator's Manual for the procedures, for the following activities:

Action	Observation	Verified by (Sign & Date)	Remarks
Ensure that all the required electrical connections are properly connected.		033	
Ensure the proper filling of double distilled / de-ionized water and Cleaning solution in the respective cans.		03	
Ensure the availability of XL Wash.	V	2003	
Ensure the availability of Biohazard Waste.	~	08	
Ensure the availability of Normal Waste.		023	
Switch ON the rear switch of the analyzer.		3	
Switch ON the side switch of the analyzer.		(M)	
Switch ON the computer and start the analyzer application software.	V	23	
Initialization	V	08	

	TRANSASIA BIOMEDICAL		
OP.	ERATIONAL OUAL IELEATIC	AN CHARLES OF THE	TRANSASIA
OPERATIONAL QUALIFICATION CHECKLIST Instrument Name Clinical Chemistry Analyzer Instrument ID			
	Chinear Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

2.0 FUNCTIONAL CHECKS:

2.1 Maintenance:

Refer the Operator's Manual for the procedures, for the following activities:

Activity	Observation	Verified by (Sign & Date)	Remarks
Photometer functioning	OK	03	
Cuvette Rinse	o¥.	3	

Page 3 of 8

	TRANSASIA BIOMEDICALS LIMITED	
OPERATIONAL QUALIFICATION CHECKLIST		TRANSASIA Bio-Medicals Ltd.
Instrument Name	Clinical Chemistry Analyzer Instrument ID	DIU-MIGUICAIS LIU.

2.2 Loading of Reagents:

Refer the Operator's Manual for the procedures, for the following activities:

Action	Observation	Verified by (Sign & Date)	Remarks
Reagent Level Scan, Dead Volume Check & 2 Reagent Chemistry	OF	03	

Page 4 of 8

	TRANSASIA BIOMEDICAL	SLIMITED	
OPERATIONAL QUALIFICATION CHECKLIST			TRANSASIA"
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bo-Medicals Ltd.

2.3 Calibration:

Refer the Operator's Manual for the procedures, for the following activities:

Action	Observation	Verified by (Sign & Date)	Remarks
Blank (Distilled Water)	ok	03	
Standard (Multical)	0+	033	

Page 5 of 8

	TRANSASIA BIOMEDICALS LIMITED	2DANGAGA 8
OPERATIONAL QUALIFICATION CHECKLIST		TRANSASIA
	Clinical Chemistry Analyzer Instrument ID	Bio-Miscipals Ltg.

3.0 INTERLOCKS AND ALARMS CHECK:

Refer the Operator's Manual for the procedures, for the following activities:

Action	Observation	Verified by (Sign & Date)	Remarks
Less volume of Distilled Water	ok	033	
Less volume of Wash Solution	ok	033	
More volume of Bio- Hazard waste	ok	03	
More volume of Normal / General waste	ok	03	

Page 6 of 8

	TRANSASIA BIOMEDICAL	SIIMITED	
OPERATIONAL QUALIFICATION CHECKLIST			TRANSASIA
Instrument Name	Clinical Chemistry Analyzer	Instrument ID	Bio-Medicals Ltd.

4.0 SAFETY / SECURITY CHECKS:

Refer the Operator's Manual for the procedures, for the following activities:

Action	Observation	Verified by (Sign & Date)	Remarks
Password Check for Test Parameters	ok	03	
Password Check for QC Mode	ok	93	

Page 7 of 8

TRANSASIA BIOMEDICALS LIMITED OPERATIONAL QUALIFICATION CHECKLIST

TRANSASIA

Instrument Name | Clinical Chemistry Analyzer | Instrument ID

5.0 INSTRUMENT SHUT-DOWN:

Refer the Operator's Manual for the procedures, for the following activities:

Action	Observation	Verified by (Sign & Date)	Remarks
Sample Probe Wash	ok	023	
Water Save	ok	08	
Switch OFF the computer.	ok	03	
Switch OFF the side switch of the analyzer.	ole	A	
Switch OFF the rear switch of the analyzer.	ok	3	

Page 8 of 8