



Date: 09/10/2023

Certificate of Calibration

Customer Name: Regional Research Institute of Unani Medicine

Model: Automated Bio Chemistry Analyser Erba Chem7

Serial No.: S170507

Calibration done date 09/10/2023

Next Calibration due Date: On or Before 08/10/2024


Lab In charge: Dr. Mangal Singh

*This is to certify that above mentioned product has been verified of calibration
By*

*Checking Lamp Voltage
Checking gain of Photo meter for all Filters
Checking sipping volume of peristaltic pump*

*Followed by calibration of all the three types of chemistries (Rate A, End point &
Fixed time) satisfactory.*

Calibration at site performed by Jayram kumar


(Hari Shankar Kumar)
Regional Service Manager
Patna



TECHNICAL SERVICE REPORT

No. **1515431**

DATE : **07/10/2023**

CUSTOMER DETAILS		INSTRUMENT DETAILS			SERVICE STATUS	
NAME : RRJUM/Alm		MODEL : Chennai			<input type="checkbox"/> WARRANTY	<input type="checkbox"/> R&R
ADDRESS : Phase 2, Bilar		SR. NO. : 311504			<input type="checkbox"/> AMC	<input checked="" type="checkbox"/> CMC
		CALL DETAILS			TYPE OF CALL	
			DATE	TIME	<input type="checkbox"/> INSTALLATION	
TEL NO : 8971221295		COMPLAINT RECD.			<input checked="" type="checkbox"/> P.M. VISIT <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV	
NAME OF THE OPERATOR : Mangal		RESPONSE			<input type="checkbox"/> APPLICATION SUPPORT	
JOB COMPLETED		RESPONSE TIME			<input type="checkbox"/> BREAKDOWN	
TRAVEL TIME		DOWN TIME :			COUNTER READING :	
PROBLEM REPORTED : P.m. & Calibration required						
OBSERVATIONS : P.m. and Calibration visit						
ACTION TAKEN : Change the p.m. kit & do the calibration and check all values are within range.						
SITE CONDITION : LINE-NEUTRAL VOLT. : <input type="checkbox"/> NEUTRAL-EARTH VOLT. : <input type="checkbox"/> LINE-EARTH VOLT. : <input checked="" type="checkbox"/>						
BRAND OF REAGENT USED :				TO BE FILLED IN BY CUSTOMER		
<input checked="" type="checkbox"/> FOLLOWING PARTS HAVE BEEN REPLACED				<input checked="" type="checkbox"/> PREVENTIVE MAINTENANCE CARRIED OUT SATISFACTORILY.		
<input type="checkbox"/> FOLLOWING PARTS NEED TO BE REPLACED. PLEASE APPROVE				<input type="checkbox"/> FAULT RECTIFIED & INSTRUMENT IS WORKING SATISFACTORILY.		
NO.	DESCRIPTION	QTY.	COST	TOTAL	<input type="checkbox"/> WE HEREBY APPROVE RS. _____ FOR PARTS	
1	P.m. kit	01	NA	NA	<input type="checkbox"/> COMMENTS (IF ANY) :	
TOTAL Rs. :				CUSTOMER'S SIGNATURE NAME : Mangal		
INVOICE NO. :				DATE : 07/10/23		
FOLLOW-UP ACTION (Required if any) :				BRANCH H. O.		
ENGINEER'S/APPLICATION SPECIALIST'S SIGNATURE : Jaykam K...				RECEIVED ON :		
TIME : NAME : Jaykam K...				CHECKED BY :		
				JOB CARD NO. :		
NOTE : Parts replaced are chargeable except during warranty Period. Consumables like printer head, lamp, tubing, paper rolls etc. & breakable parts are not covered by warranty and hence are chargeable. Parts replaced due to negligence in operation will also be charged in every case.						
AT TRANSASIA, CUSTOMER SATISFACTION IS OUR PRIME CONCERN. IN CASE YOU HAVE ANY SUGGESTIONS PLEASE CONTACT : GENERAL MANAGER (TECHNICAL SERVICE), MUMBAI. TEL. : 4030 9000						

TRANSASIA BIO-MEDICALS LTD.

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Kochi : Tel. : (0484) 402 0511	Hubli : Tel. : (0836) 485 0900	

DOC NO : SC00-406 / ISS - 6



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FILTERS	OFFSET	GAIN
340	-00240	065755
405	-00221	079150
450	-00160	108930
505	-00103	101653
546	-00097	097127
578	-00232	096026
600	-00052	097206
670	-00383	121275

ERBA MANNHEIM

CHEM-7

DATE - 09/10/23 TIME - 15:57:48

Ver:2016.01.03

FLOWCELL TEMPERATURE: 37.0(37)
PUMP CALIBRATION : 02472
AUTO PRINT: YES
THERMAL PRINT KEY: YES
EXTERNAL PRINT KEY: NO

BLANK DEDUCTION: NO
AIR PURGE: YES
SMPL REPLICATE: 1
STD REPLICATE : 1

LANGUAGE: 1
THERMAL PRINTER TYPE: 1
EXTERNAL PRINTER TYPE: 1
REAGENT TYPE: 1
TRANSMISSION: NO

LAMP SAVE: 00

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340	-00240	065755
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578	-00232	096026
600	-00052	097206
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===== Printer =====
===== Selftest Page =====

Version: v1.007
Serial Number:
Modify date: 2016/09/13
Command mode: EPSON(ESC/POS)
Interface: RS232
Baudrate: 19200
Data bits: 8 bit
Parity Check: None
Stop Bit: 1 bit
Handshaking: DTR/DSR
Cutter: NO
Print Density: Middle Light
Print Width: 48mm
Print Speed: 80mm/sec(Max)
ABCDEFGHIJKLMN OPQRSTUVWXYZ \ | ^ _ ` a
BCDEFGHIJKLMN OPQRSTUVWXYZ \ | ^ _ ` a
CDEFGHIJKLMN OPQRSTUVWXYZ \ | ^ _ ` ab
DEFGHIJKLMN OPQRSTUVWXYZ \ | ^ _ ` abc
EFGHIJKLMN OPQRSTUVWXYZ \ | ^ _ ` abcd

=====
Completed =====

PRINTER TEST COMPLETE

09/10/23 16:13:18

C1 SGOT 50.00 U/L

LINEAR REACTION

09/10/23 16:32:32

URE DELTA STD O.D. -0.108
NET O.D. : -0.108
CONC : 50 mg/dl
FACTOR : -463.0

LINEAR REACTION

C1 URE 36.11 mg/dl

LINEAR REACTION

09/10/23 17:07:45

UAC Reagent OD 0.0829

UAC STD O.D. 0.2374
NET O.D. : 0.1545
CONC : 6 mg/dl
FACTOR : 38.835

C1 UAC 5.76 mg/dl