



Dt: 16th June 2022

Calibration Certificate

This is to certify that the Fully Automatic Biochemistry Analyser EM200 Sr. No.-B2001819 Installed at Central Ayurveda Research Institute, CCRAS, Ministry Of Ayush Government Of India, West Punjabi Bagh, New Delhi-110026. The calibration value of filter gain, photometers and all other values have been checked and found well within the limit.

*Has been fully calibrated and this calibration is valid till 15 June 2023
The calibration data is enclosed.*

For Transasia Biomedicals Ltd

*Amit Pal
Application Manager*





Calibration Data

PHOTOMETER CHECK:				
Sr. No.	Filter	Gain Range	Measured Value	Ok Yes/No
	340	350-900	713	OK
	405	350-900	635	OK
	505	350-900	522	OK
	546	350-900	511	OK
	678	350-900	543	OK
	630	350-900	515	OK
	670	350-900	499	OK
	700	350-900	473	OK
Reagent Tray Temperature:				
		Range	Measured Value	Ok Yes/No
		4 -12 ° C	8°C	OK
Reaction Cuvette Tray Temperature:				
		Range	Measured Value	Ok Yes/No
		36.9 -37.1 ° C	37.0	OK
Water Pressure:				
		Range	Measured Value	Ok Yes/No
		0.9 – 1.1 bar	1.0 bar	OK
Lamp Voltage:				
		Range	Measured Value	Ok Yes/No
		11.9 – 12.1 v	12.0 v	OK
Cuvette Blank:				
		Range	Measured Value	Ok Yes/No
		0.01 – 0.2	All in Range	OK

For Transasia Biomedicals Ltd

Amit
 Amit Paf
 Application Manager

SPAN

MANUAL SPAN

AUTO SPAN

Cuv : 01

Gain Value

■ OK

■ Out of Range

Wavelength

340	405	505	546	578	600	660	700
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Gain

713	635	522	511	543	515	499	473
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START

WASH

WASH MAINTENANCE COMMANDS

CUVETTE RINSE
 WATER SAVE
 AUTO WASH
 PROBE WASH
 PRIME WASH

START

DEAD VOLUME CALIBRATION

SELECT CONTAINER TYPE

Sample TUBE (10 ml) Pos.3
 Sample CUP (2 ml) Pos.2
 Sample TUBE (5.7 ml) Pos.1
 Sample STD CUP (500 µl) Pos.1-1
 Reagent Inner Pos.1
 Reagent Outer Pos.2
 Reagent 5ml Adaptor Pos.3

CALIBRATE

DEFAULT

STOP

AUTO MAINTENANCE

START-UP

SHUTDOWN

START

MAINTENANCE ERRORS

S.N.	ERROR MESSAGE	EC

EC

Help (F1)

Central Ayurveda Research Institute

Punjabi Bagh (West.), Road No. 66, New Delhi - 110026

Result Reprint

Report Type : Controls 29-Jun-2022

Sr #	Lot #	Consumable	Test	Result Unit	Flag	Curve #	Result Date	Mean	SD	Interval (3SD)
1	B082182	ERBA NORM N	SGPTD	40 U/L		35118	29-Jun-2022 11:27:10	38.390	2.560	30.71 - 46.07
2	B082182	ERBA NORM N	SGOTT	62 U/L	+3SD,HVI	35119	29-Jun-2022 11:27:28	48.460	3.230	38.77 - 58.15
3	B082182	ERBA NORM N	ALPU	127 U/L	HVI	35120	29-Jun-2022 11:27:46	127.750	8.520	102.19 - 153.31
4	B082182	ERBA NORM N	BID	0.71 mg/dl	+2SD,HVI	35121	29-Jun-2022 11:28:04	0.580	0.050	0.43 - 0.73
5	B082182	ERBA NORM N	BIT	1.38 mg/dl		35122	29-Jun-2022 11:28:22	1.510	0.130	1.12 - 1.9
6	B082182	ERBA NORM N	UREA	33.4 mg/dl		35123	29-Jun-2022 11:28:40	33.970	1.700	28.87 - 39.07
7	B082182	ERBA NORM N	CRENZ	1.26 mg/dl	+1SD	35124	29-Jun-2022 11:28:58	1.140	0.070	0.93 - 1.35
8	B082182	ERBA NORM N	GLU	100 mg/dl		35125	29-Jun-2022 11:29:16	95.720	4.780	81.38 - 110.06
9	B082182	ERBA NORM N	TRIG	113 mg/dl		35126	29-Jun-2022 11:29:34	113.350	5.670	96.34 - 130.36
10	B082182	ERBA NORM N	CHOL	146 mg/dl	+1SD	35127	29-Jun-2022 11:29:53	137.570	6.880	116.93 - 158.21
11	B082182	ERBA NORM N	HDLC	48.2 mg/dl	+1SD	35128	29-Jun-2022 11:30:10	42.860	2.860	34.28 - 51.44
12	B082182	ERBA NORM N	LDL	74.8 mg/dl		35129	29-Jun-2022 11:30:29	73.900	4.930	59.11 - 88.69
13	B082182	ERBA NORM N	UA	6.6 mg/dl	+1SD	35130	29-Jun-2022 11:30:47	6.080	0.300	5.18 - 6.98
14	B082182	ERBA NORM N	ALBD	3.61 g/dl		35131	29-Jun-2022 11:31:05	3.570	0.180	3.03 - 4.11
15	B082182	ERBA NORM N	PRO	6.65 g/dl	+1SD	35132	29-Jun-2022 11:31:23	6.240	0.310	5.31 - 7.17
16	B082182	ERBA NORM N	SGOTT	53 U/L	+1SD,HVI	35139	29-Jun-2022 12:04:24	48.460	3.230	38.77 - 58.15
17	B082182	ERBA NORM N	BID	0.51 mg/dl	-1SD	35146	29-Jun-2022 12:06:30	0.580	0.050	0.43 - 0.73

Print Date

21-Feb-2023

CO measure taken, tokens for SGOT & urea bit returned

Results acceptable

Central Ayurveda Research Institute

Punjabi Bagh (West.), Road No. 66, New Delhi - 110026

Result Reprint

Report Type : Controls 02-Jun-2022

Sl #	Lot #	Consumable	Test	Result Unit	Flag	Curve #	Result Date	Mean	SD	Interval (3SD)
1	S062125	ERBA NORM	SGPTD	40 U/L		34482	2-Jun-2022 11:46:36	38.390	2.560	30.71 - 46.07
2	S062125	ERBA NORM	SGOTD	49 U/L		34483	2-Jun-2022 11:46:54	48.460	3.230	38.77 - 58.15
3	S062125	ERBA NORM	ALPU	122 U/L		34484	2-Jun-2022 11:47:12	127.750	8.520	102.19 - 153.31
4	S062125	ERBA NORM	BID	0.63 mg/dl		34485	2-Jun-2022 11:47:30	0.580	0.050	0.43 - 0.73
5	S062125	ERBA NORM	BIT	1.41 mg/dl		34486	2-Jun-2022 11:47:48	1.510	0.130	1.12 - 1.9
6	S062125	ERBA NORM	UREA	30.6 mg/dl	-1SD	34487	2-Jun-2022 11:48:06	33.970	1.700	28.87 - 39.07
7	S062125	ERBA NORM	CRENZ	1.14 mg/dl		34488	2-Jun-2022 11:48:24	1.140	0.070	0.93 - 1.35
8	S062125	ERBA NORM	GLU	96 mg/dl		34489	2-Jun-2022 11:48:42	95.720	4.780	81.38 - 110.06
9	S062125	ERBA NORM	TRIG	111 mg/dl		34490	2-Jun-2022 11:49:00	113.350	5.670	96.34 - 130.36
10	S062125	ERBA NORM	CHOL	136 mg/dl		34491	2-Jun-2022 11:49:18	137.570	6.880	116.93 - 158.21
11	S062125	ERBA NORM	HDLC	47.1 mg/dl	+1SD	34492	2-Jun-2022 11:49:37	42.860	2.860	34.28 - 51.44
12	S062125	ERBA NORM	LDL	72.9 mg/dl		34493	2-Jun-2022 11:49:55	73.900	4.930	59.11 - 88.69
13	S062125	ERBA NORM	UA	6.4 mg/dl	+1SD	34494	2-Jun-2022 11:50:13	6.080	0.300	5.18 - 6.98
14	S062125	ERBA NORM	ALBD	3.60 g/dl		34495	2-Jun-2022 11:50:31	3.570	0.180	3.03 - 4.11
15	S062125	ERBA NORM	PRO	6.06 g/dl		34496	2-Jun-2022 11:50:49	6.240	0.310	5.31 - 7.17

Print Date

21-Feb-2023