

Date: 17/06/2022

Calibration certificate

This is to certify that Fully Automated Clinical Chemistry Analyzer BX-3010 Serial No: 7237-0555 installed at Biochemistry Division, ITRA Clinical Laboratory, Jamnagar has been calibrated.

Calibration Done on: 17/06/2022

Calibration Validity: One Year

Calibration Due on: 17/06/2023

Calibration Details:

SR.NO	TEST PARAMETERS	MEASURED/CALIBRATED	REMARKS
1	INPUT VOLTAGE	230VAC	OK
2	POWER CONSUMPTION	900 WATTS	OK
3	INPUT FREQUENCY	50HZ	OK
4	OPERATING TEMPERATURE	15-30 Deg. CELSIUS	OK

Mechanical alignment verified for:

1. Reagent pipette (RPT)
2. Sample pipette (SPT)
3. Wash unit (WUD)
4. Auto Sampler (ASP)
5. Reagent container unit (RCU)

Temperature calibration performed for:

1. RRV Bath temperature 37°C
2. RRT temperature < 15°C

Performance Verification:

1. Performed water blank – values found < 5000
2. Performed Auto Gain and values found within 8.5 to 9.5 V
3. Performed QC and results found within range

GOVIND PANDE



NAME OF THE ENGINEER


SIGNATURE

For Sysmex India Pvt. Ltd.



Authorized Signatory

Date	Slot	SGOT	ALT	ALB	ALP	TBIL	CHOL	CREA-J	CA	GLU	HDL-C	TRIG	TP	UREA	UA
17/05/2022	1104UE	150	133	2.81	243	4.71	262	4.3	11.99	260	87.7	227	5.06	119	8.92
18/05/2022	1104UE	146	131	2.78	237	4.75	269	4.19	12.73	251	86.4	234	4.97	112	8.87
19/05/2022	1104UE	148	134	2.79	237	4.63	263	4.22	12.16	262	87.2	231	4.86	126	9.02
20/05/2022	1104UE	148	132	2.78	240	4.21	262	4.07	12.43	263	89.1	229	4.78	121	8.94
21/05/2022	1104UE	152	140	2.78	243	4.81	269	4.1	12.08	264	85.9	235	4.57	119	8.88
23/05/2022	1104UE	148	137	2.71	237	5.74	266	3.93	12.63	255	86.1	234	5.1	120	8.81
24/05/2022	1104UE	152	140	2.73	232	4.7	259	3.88	12.01	262	81.6	231	5.04	122	8.86
25/05/2022	1104UE	153	142	2.73	240	4.77	269	4.02	12.46	257	87.7	229	5.02	122	9.01
26/05/2022	1104UE	154	140	2.74	242	4.86	267	3.95	12.38	259	86	231	4.95	114	9.1
27/05/2022	1104UE	151	137	2.69	236	4.97	266	3.71	12.25	262	86.6	232	4.86	119	8.92
28/05/2022	1104UE	153	140	2.78	241	4.97	269	3.62	11.67	265	88.1	236	4.8	120	9.08
30/05/2022	1104UE	154	141	2.74	233	5.82	269	4.14	11.88	260	86.3	232	4.57	121	8.96
31/05/2022	1104UE	144	137	2.73	222	4.52	268	4.09	11.45	259	85.7	233	4.38	120	9.03
01/06/2022	1104UE	151	137	2.82	234	4.5	271	4.03	11.72	256	86.9	237	4.81	120	9.13
02/06/2022	1104UE	157	144	2.78	241	4.61	274	3.94	11.92	263	89.8	238	4.95	120	9.11
03/06/2022	1104UE	158	142	2.96	219	4.98	276	4.14	12.39	275	88.8	248	4.45	123	8.62
04/06/2022	1104UE	157	141	2.8	235	4.85	264	4.1	12.21	265	89.5	239	4.81	119	9.09
06/06/2022	1104UE	156	140	2.81	236	4.49	267	4.05	12.09	262	87.9	240	4.59	114	9.26
07/06/2022	1104UE	156	138	2.78	227	5	268	3.82	12.03	264	92.3	237	4.68	120	9.11
08/06/2022	1104UE	150	136	2.83	242	5.05	262	4.17	12.15	258	92.5	235	4.91	123	9
09/06/2022	1104UE	155	137	2.79	238	2.11	262	4.02	12.31	258	92.7	236	5.37	121	9.01
10/06/2022	1104UE	154	137	2.81	238	1.56	262	3.8	12.47	255	92.3	239	5.34	117	9.02
11/06/2022	1104UE	154	137	2.83	231	1.47	262	4.22	12.39	257	92.2	237	4.89	115	8.92
13/06/2022	1104UE	152	142	2.78	224	1.65	262	4.17	12.42	258	93.5	240	4.62	128	9.09
14/06/2022	1104UE	155	138	2.86	243	2.28	265	4	12.23	257	93.8	239	4.71	128	8.91
15/06/2022	1104UE	150	136	2.75	233	1.66	263	3.63	12.13	261	92.7	237	4.57	123	8.9
16/06/2022	1104UE	152	137	2.82	240	1.55	262	4.15	12.55	252	92	234	4.37	119	8.99
17/06/2022	1104UE	149	134	2.81	232	1.54	259	4.11	12.61	251	92.6	229	4.18	115	9.14
Mean		152.1	137.9	2.786	235.6	3.956	265.6	4.02	12.21	259.7	89.07	235	4.793	120	8.989
SD		3.468	3.217	0.053	6.42	1.478	4.254	0.177	0.305	4.989	3.122	4.468	0.279	3.859	0.127
CV%		2.28	2.334	1.887	2.725	37.37	1.602	4.396	2.502	1.921	3.506	1.901	5.828	3.216	1.41


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Date	Slot	SGOT	ALT	ALB	ALP	TBIL	CHOL	CREA-J	CA	GLU	HDL-C	TRIG	TP	UREA	UA
17/05/2022	1416 UN	34	32	4.23	135	1.48	157	1.88	8.78	105	48.9	91	6.81	44	5.8
18/05/2022	1416 UN	34	33	4.11	134	1.44	159	1.83	9.32	102	49	89	6.64	42	5.8
19/05/2022	1416 UN	34	32	4.14	134	1.4	158	1.88	8.87	105	49.5	89	6.49	46	5.86
20/05/2022	1416 UN	35	32	4.16	133	1.04	157	1.79	8.97	105	48.4	86	6.36	46	5.77
21/05/2022	1416 UN	35	36	4.2	133	1.7	158	1.85	9.13	106	50.2	89	6.09	45	5.8
23/05/2022	1416 UN	35	34	4.12	131	1.5	156	1.7	9.6	101	49	88	6.57	43	5.66
24/05/2022	1416 UN	35	34	4.11	130	1.63	152	1.61	8.83	104	50	87	6.63	44	5.77
25/05/2022	1416 UN	35	35	4.13	135	1.66	157	1.79	9.02	103	50.3	88	6.65	44	5.83
26/05/2022	1416 UN	35	33	4.06	130	1.71	153	1.73	9.12	104	48.9	89	6.53	45	5.79
27/05/2022	1416 UN	36	35	4.12	133	1.93	157	1.61	9.04	105	49.3	90	6.49	44	5.66
28/05/2022	1416 UN	35	33	4.13	132	1.69	156	1.54	8.55	104	50.1	90	6.27	45	5.76
30/05/2022	1416 UN	35	34	4.02	128	1.5	156	1.85	8.52	104	49	93	6.08	43	5.94
31/05/2022	1416 UN	33	32	4.09	124	1.51	160	1.81	8.73	102	49.8	89	5.8	44	5.74
01/06/2022	1416 UN	35	33	4.1	130	1.5	155	1.75	8.29	104	48.7	89	6.49	45	5.84
02/06/2022	1416 UN	35	33	3.87	127	1.67	160	1.65	8.55	106	49.4	90	6.49	45	5.89
03/06/2022	1416 UN	35	34	3.9	129	1.5	161	1.85	8.34	108	49.4	84	6.47	46	5.56
04/06/2022	1416 UN	34	32	4.15	128	1.56	155	1.79	8.84	102	48.8	89	6.32	44	5.59
06/06/2022	1416 UN	33	33	4.08	124	1.58	155	1.68	8.54	102	49.2	89	6.11	44	5.76
07/06/2022	1416 UN	36	33	4.11	126	1.82	154	1.6	8.52	105	50	90	6.04	44	5.65
08/06/2022	1416 UN	33	33	4.1	130	2.13	150	1.79	8.86	101	52	85	6.19	45	5.56
09/06/2022	1416 UN	34	33	4.09	129	1.96	149	1.68	8.76	99	49.6	86	6.98	43	5.55
10/06/2022	1416 UN	34	32	4.06	126	5.26	149	1.6	8.85	98	49.1	84	6.87	42	5.64
11/06/2022	1416 UN	34	33	4.08	123	4.58	149	1.74	8.86	98	48.8	86	6.29	42	5.66
13/06/2022	1416 UN	32	32	4.07	120	4.67	150	1.72	8.81	99	49.9	86	6.13	47	5.68
14/06/2022	1416 UN	34	31	4.02	129	4.91	148	1.7	8.79	99	49	87	6.07	45	5.66
15/06/2022	1416 UN	34	31	4.07	128	5.44	144	1.54	8.96	100	49.5	87	5.93	39	5.66
16/06/2022	1416 UN	33	31	4.01	125	4.99	150	1.77	8.75	98	48.7	87	5.64	42	5.51
17/06/2022	1416 UN	34	31	4.01	123	4.69	148	1.75	8.72	99	49	86	5.44	40	5.63

Mean
SD
CV%

34.32 32.86 4.084 128.9 2.445 154 1.731 8.819 102.4 49.41 87.96 6.317 43.86 5.715
0.945 1.268 0.076 3.994 1.485 4.426 0.1 0.281 2.847 0.721 2.134 0.362 1.799 0.111
2.753 3.86 1.872 3.099 60.73 2.873 5.771 3.183 2.78 1.459 2.426 5.735 4.103 1.951

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Signature
6.12.22