



Date:02/05/2023

Calibration Certificate

Customer Name:Radcliffe Labs

Model:Fullu Automated Bio Chemistry Analyzer XL640

Serial No:640389

Calibration done date:02/05/23

Next Calibration due Date:02/05/24

LAB iN Charge: Dr Param Prakash

This is certify that above mentioned product has been verified of calibration by.

Checked Lamp Voltage found in range.

Checked gain Photometer for all wavelengths(Range340 to750),Values obtained under range.

Checked Calibration of probe on all location found ok.

Checked Temperature at Reagent tray found in range (Range 4 to 12 degree) and reaction tray found in range (range 36.5 to 37.5degree).


Checked pressure of pressure tank found in range (range 0.8 to 1.2 bar).

Checked Absorbance cuvette blanks with respect to all filters found in range 0.02 to 0.2Abs.

Followed by calibration of all the there types of chemistries (picked up CHOL,CREAT and SGPT)

AND qc run with satisfy values of QC.

Calibration at site performed by Mr Vineet Kumar Rai


(Vineet Kumar Rai)
Sr.Service Engineer

Result Reprint

Report Type : Controls 29-May-2023

Sr #	Lot #	Consumable	Test	Result Unit	Flag	Curve #	Result Date	Mean	SD	Interval (3SD)
1	BIORAD L1 89711	BIO ACC 1	Na	134.50 mmol/L	-1SD	0	29-May-2023 11:16:06	145.000	7.000	124 - 166
2	BIORAD L1 89711	BIO ACC 1	K	3.35 mmol/L	-1SD	0	29-May-2023 11:16:06	3.600	0.180	3.06 - 4.14
3	BIORAD L1 89711	BIO ACC 1	Cl	92.79 mmol/L	F	0	29-May-2023 11:16:06	96.100	4.800	81.7 - 110.5
4	BIORAD L1 89711	BIO ACC 1	LDH	295 U/L	-1SD	102349	29-May-2023 11:17:48	338.000	34.500	234.5 - 441.5
5	BIORAD L1 89711	BIO ACC 1	SGPTD	25.3 U/L		102351	29-May-2023 11:18:06	26.300	2.700	18.2 - 34.4
6	BIORAD L1 89711	BIO ACC 1	SGOTD	37.2 U/L	-1SD	102353	29-May-2023 11:18:24	41.957	4.500	28.457 - 55.4
7	BIORAD L1 89711	BIO ACC 1	ALPU	109 U/L	-1SD	102355	29-May-2023 11:18:42	128.000	13.500	87.5 - 168.5
8	BIORAD L1 89711	BIO ACC 1	GGT	55.4 U/L	-1SD	102357	29-May-2023 11:19:00	63.800	6.500	44.3 - 83.3
9	BIORAD L1 89711	BIO ACC 1	PHOS	4.51 mg/dL	+1SD	102359	29-May-2023 11:19:18	4.110	0.310	3.18 - 5.04
10	BIORAD L2 89712	BIO ACC 2	PHOS	6.89 mg/dL		102360	29-May-2023 11:19:27	7.450	0.560	5.77 - 9.13
11	BIORAD L1 89711	BIO ACC 1	BIDD	0.37 mg/dL		102361	29-May-2023 11:19:36	0.400	0.040	0.28 - 0.52
12	BIORAD L2 89712	BIO ACC 2	BIDD	0.97 mg/dL	-1SD	102362	29-May-2023 11:19:45	1.120	0.130	0.73 - 1.51
13	BIORAD L1 89711	BIO ACC 1	BIT	1.04 mg/dL		102363	29-May-2023 11:19:54	1.010	0.120	0.65 - 1.37
14	BIORAD L2 89712	BIO ACC 2	BIT	3.93 mg/dL		102364	29-May-2023 11:20:03	4.480	0.550	2.83 - 6.13
15	BIORAD L1 89711	BIO ACC 1	UREA	33.0 mg/dL		102365	29-May-2023 11:20:12	33.500	2.300	26.6 - 40.4
16	BIORAD L2 89712	BIO ACC 2	UREA	95.1 mg/dL	-1SD	102366	29-May-2023 11:20:21	103.000	7.500	80.5 - 125.5
17	BIORAD L1 89711	BIO ACC 1	CRENZ	1.93 mg/dL		102367	29-May-2023 11:20:30	1.800	0.180	1.26 - 2.34

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18	BIORAD L2 89712	BIO ACC 2	CRENZ	5.25 mg/dL		102368	29-May-2023 11:20:39	5.390	0.540	3.77 - 7.01
19	BIORAD L1 89711	BIO ACC 1	GLU	91.7 mg/dL		102369	29-May-2023 11:20:48	89.100	6.750	68.85 - 109.31
20	BIORAD L2 89712	BIO ACC 2	GLU	272.3 mg/dL		102370	29-May-2023 11:20:57	285.000	21.000	222 - 348
21	BIORAD L1 89711	BIO ACC 1	TRIG	202.5 mg/dL		102371	29-May-2023 11:21:06	198.000	15.000	153 - 243
22	BIORAD L2 89712	BIO ACC 2	TRIG	81.9 mg/dL		102372	29-May-2023 11:21:15	84.600	6.400	65.4 - 103.8
23	BIORAD L1 89711	BIO ACC 1	CHOL	264 mg/dL		102373	29-May-2023 11:21:24	258.000	19.500	199.5 - 316.5
24	BIORAD L2 89712	BIO ACC 2	CHOL	90 mg/dL	-1SD	102374	29-May-2023 11:21:33	99.400	7.500	76.9 - 121.9
25	BIORAD L1 89711	BIO ACC 1	LDL	154.3 mg/dL	+1SD	102378	29-May-2023 11:22:10	140.000	13.500	99.5 - 180.5
26	BIORAD L2 89712	BIO ACC 2	LDL	68.0 mg/dL		102379	29-May-2023 11:22:18	65.500	6.600	45.7 - 85.3
27	BIORAD L1 89711	BIO ACC 1	UA	4.9 mg/dL	-1SD	102380	29-May-2023 11:22:27	5.320	0.410	4.09 - 6.55
28	BIORAD L2 89712	BIO ACC 2	UA	11.1 mg/dL		102381	29-May-2023 11:22:37	10.700	0.750	8.45 - 12.95
29	BIORAD L1 89711	BIO ACC 1	CA	9.2 mg/dL	-1SD	102382	29-May-2023 11:22:46	10.400	0.750	8.15 - 12.65
30	BIORAD L2 89712	BIO ACC 2	CA	12.5 mg/dL	-1SD	102383	29-May-2023 11:22:55	14.000	1.050	10.85 - 17.15
31	BIORAD L1 89711	BIO ACC 1	ALBD	4.40 g/dL	+1SD	102384	29-May-2023 11:23:04	3.940	0.300	3.04 - 4.84
32	BIORAD L2 89712	BIO ACC 2	ALBD	2.86 g/dL		102385	29-May-2023 11:23:13	2.680	0.200	2.08 - 3.28
33	BIORAD L1 89711	BIO ACC 1	PRO	6.75 g/dL		102386	29-May-2023 11:23:22	6.890	0.510	5.36 - 8.42
34	BIORAD L2 89712	BIO ACC 2	PRO	4.38 g/dL	-1SD	102387	29-May-2023 11:23:31	4.780	0.360	3.7 - 5.86

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35	85851	BIORAD HBA1C L1	HB1C	5.5 %		102388	29-May-2023 11:23:40	5.250	0.500	3.75 - 6.75
36	85852	BIORAD HBA1C L2	HB1C	10.0 %		102389	29-May-2023 11:23:49	10.000	1.200	6.4 - 13.6
37	S012273	CRPD RFD LOW	CRPD	8.9 mg/L	-1SD	102390	29-May-2023 11:23:58	11.100	1.670	6.09 - 16.11
38	BIORAD L1 89711	BIO ACC 1	FE	214.0 µg/dL		102392	29-May-2023 11:24:16	224.000	22.500	156.5 - 291.5
39	BIORAD L2 89712	BIO ACC 2	Na	115.40 mmol/L	-1SD	0	29-May-2023 11:51:55	123.000	6.000	105 - 141
40	BIORAD L2 89712	BIO ACC 2	K	5.18 mmol/L	-1SD	0	29-May-2023 11:51:55	5.570	0.280	4.73 - 6.41
41	BIORAD L2 89712	BIO ACC 2	Cl	86.58 mmol/L	F	0	29-May-2023 11:51:55	86.800	4.350	73.75 - 99.85
42	BIORAD L2 89712	BIO ACC 2	LDH	804 U/L		102398	29-May-2023 11:58:32	810.000	81.000	567 - 1053
43	BIORAD L2 89712	BIO ACC 2	SGPTD	104.4 U/L	+1SD	102399	29-May-2023 11:58:41	94.600	9.450	66.25 - 122.9
44	BIORAD L2 89712	BIO ACC 2	SGOTD	204.0 U/L		102400	29-May-2023 11:58:50	205.000	21.000	142 - 268
45	BIORAD L2 89712	BIO ACC 2	ALPU	455 U/L	-1SD	102401	29-May-2023 11:58:59	522.000	52.500	364.5 - 679.5
46	BIORAD L2 89712	BIO ACC 2	GGT	154.9 U/L		102402	29-May-2023 11:59:08	166.000	16.500	116.5 - 215.5
47	BIORAD L2 89712	BIO ACC 2	FE	63.5 µg/dL	+1SD	102407	29-May-2023 11:59:54	55.800	5.550	39.15 - 72.45
48	BIORAD L1 89711	BIO ACC 1	UIBC	101.8 µg/dL	F,+1SD	102410	29-May-2023 12:00:21	85.200	8.550	59.55 - 110.8
49	BIORAD L2 89712	BIO ACC 2	UIBC	125.5 µg/dL	F	102411	29-May-2023 12:00:30	120.000	12.000	84 - 156
50	S012273	CRPD RFD LOW	RFD	20.6 IU/mL	-1SD	102418	29-May-2023 12:18:12	26.200	3.900	14.5 - 37.9
51	BIORAD L1 89711	BIO ACC 1	HDLC	73.0 mg/dL		102433	29-May-2023 13:17:43	71.650	6.750	51.4 - 91.9

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52	BIORAD L2 89712	BIO ACC 2	HDLC	25.5 mg/dL	+1SD	102434	29-May-2023 13:17:52	23.200	2.250	16.45 - 29.95

