

**Unit D-4-7, Industrial Estate , Moula-Ali,
Hyderabad -500 040**

PRODUCT SPECIFICATIONS FOR BIOCHEMISTRY - NOV 2014

Product name	Method	λ	Units	Std Conc	Blank	STD O.D Range	Factor Range	Linarity	Bio-Rad Control Level I (LOT 14461)	Bio-Rad Control Level II (LOT 14462)
ALP-LR	PNPP-DEA-Method	405	IU/L	-	< 1.2	-	2757	1000 IU/L	140 (112 – 168)	450 (361 – 542)
Bilirubin(Direct)	Jenderassik&Grof's	546	-	-	-	-	26.31	25mg/dL	0.38 (0.30 – 0.45)	1.26 (0.9 – 1.7)
Creatinine - 2R	Modified Jaffes	505	mg/dl	2 mg/dL	-	0.035 – 0.055	36 – 57	30mg/dL	2.5 (2.0 – 3.0)	5.25 (4.2 – 6.3)
Cholesterol	CHOD-POD	505	mg/dl	200 mg/dL	<0.10	0.3 – 0.4	476 – 666	750mg/dL	262 (232 – 292)	101 (89 – 1113)
Glucose-DB	GOD-POD	505	mg/dl	100 mg/dL	< 0.10	0.3 – 0.4	238 – 333	500mg/dL	90 (70 – 110)	296 (230 – 360)
Glucose-LR	GOD-POD	505	mg/dl	100 mg/dL	< 0.10	0.3 – 0.4	238 – 333	500mg/dL	91 (70 – 110)	296 (225 – 360)
Hemoglobin	CMG	546	gm/dl	15.06 gm/dL	-	0.40 - 0.49	38 – 50	20mg/dL		
MicroProtein	Pyrogallol Red	620	mg/dl	100 mg/dL	0.1 – 0.2	0.13 – 0.24	416 – 769	250mg/dL		
Potassium	Colorimetric	620	mmol/L	5 mmol/L	-	0.555-0.900	5.5 - 9	7 mmol/L	3.91 (3.0 – 4.72)	5.97 (4.5 – 7.5)
Sodium	Colorimetric	546	mmol/L	150 mmol/L	0.48-0.62	0.166- 0.280	535 – 900	200mmol/L	143 (128 – 157)	128 (115 – 141)
SGOT - LR	IFCC UV	340	IU/L	-	0.8 – 2.0	-	1746	450IU/L	40.7 (32 – 50)	192 (129 – 255)
SGPT - DB	IFCC UV	340	IU/L	-	1.0 – 2.0	-	1746	450IU/L	33.3 (23 – 43)	112 (85 – 140)
Uric Acid	Uricase-POD	505	mg/dl	10 mg/dL	< 0.12	0.20 – 0.29	34 – 50	30mg/dL	5.47 (4.32 – 6.7)	9.5 (7.5 – 11.5)
Urea	Berthelot	578	mg/dl	40 mg/dL	< 0.18	0.20 – 0.30	133 – 222	300mg/dL	42.2 (33 – 48)	102 (85 – 125)
Urea	Urease - GLDH	340	mg/dl	40 mg/dL	> 1.0	0.07 – 0.118	344 – 572	300mg/dL	33 (23 – 42)	99 (79 – 120)
Triglycerides	GPO_POD	546	mg/dl	200 mg/dL	< 0.10	0.30 – 0.42	476 – 666	1000mg/dL	169 (126 – 211)	68 (51 – 85)
Bilirubin(Total)	Jenderassik&Grof's	546	mg/dl	-	-	-	26.31	25mg/dL	1.0 (0.72 – 1.3)	4.5 (3.4 – 5.6)