

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

PRODUCT SPECIFICATIONS FOR BIOCHEMISTRY

Product name	Method	λ	Units	Std Conc	Blank	STD O.D Range	Factor Range	Liniarity	Bio-Rad Control Level I (LOT 14441)	Bio-Rad Control Level II (LOT 14442)
Albumin	BCG	630	gm/dl	3.5 gm/dL	< 0.10	0.388 – 0.600	5.8-9.0	8gm/dL	4.01 (3 - 5)	2.73 (2.0 – 3.5)
Alpha amylase	CNPG3	405	IU/L	-	< 0.5	-	4640	2000 IU/L	79.3 (50 – 110)	469 (300 – 630)
ALP-LR	PNPP-DEA-Method	405	IU/L	-	< 1.2	-	2757	1000 IU/L	168 (135 – 210)	542 (350 – 730)
ALP-DB	PNPP-DEA-Method	405	IU/L	-	< 1.2	-	2757	1000 IU/L	168 (135 – 210)	542 (350 – 730)
Bilirubin(Direct)	Jenderassik&Grof's	546	-	-	-	-	26.31	25mg/dL	0.285 (0.200 – 0.345)	1.29 (1.00 – 1.5)
Calcium	Arsenazo - III	630	mg/dl	10 mg/dL	0.42 – 0.58	0.310 – 0.480	20 – 32	20mg/dL	9.47 (7.0 – 10)	12.5 (11 – 14)
Creatinine - LR	Modified Jaffes	505	mg/dl	2 mg/dL	-	0.050 – 0.085	23 -40	30mg/dL	2.11 (1.0 – 3.0)	5.25 (3.5 – 7.0)
Creatinine - 2R	Modified Jaffes	505	mg/dl	2 mg/dL	-	0.035 – 0.055	36 – 57	30mg/dL	2.11 (1.0 – 3.0)	5.25 (3.5 – 7.0)
Cholesterol	CHOD-POD	505	mg/dl	200 mg/dL	<0.10	0.3 – 0.4	476 – 666	750mg/dL	191 (130 – 250)	80.7 (55 – 105)
Glucose-DB	GOD-POD	505	mg/dl	100 mg/dL	< 0.10	0.3 – 0.4	238 – 333	500mg/dL	91 (70 – 110)	296 (225 – 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)
GHB	Ion Exchange	405	%	-	-	-	-	17%	6.0 - 8.0 (N.Sample)	6.0 - 8.0 (N.Sample)
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	mg/dl	5 mg/dL	-	0.555-0.900	5.5 - 9	7 mmol/L	3.86 (3.0 – 4.6)	6.21 (5.0 – 7.0)
Sodium	Colorimetric	546	mmol/L	150 mmol/L	0.48-0.62	0.166- 0.280	535 – 900	200mmol/L	145 (120 – 160)	123 (102 – 146)
SGOT - DB	IFCC UV	340	IU/L	-	1.0 – 2.0	-	1746	450IU/L	34 (22 – 45)	190 (140 – 240)
SGOT - LR	IFCC UV	340	IU/L	-	0.8 – 2.0	-	1746	450IU/L	34 (22 – 45)	190 (140 – 240)
SGPT - DB	IFCC UV	340	IU/L	-	1.0 – 2.0	-	1746	450IU/L	29 (20 – 39)	88 (63 – 112)
SGPT - LR	IFCC UV	340	IU/L	-	0.8 – 2.0	-	1746	450IU/L	29 (20 – 39)	88 (63 – 112)
Uric Acid	Uricase-POD	505	mg/dl	10 mg/dL	< 0.12	0.20 – 0.29	34 – 50	30mg/dL	5.9 (4.3 – 8.0)	10.8 (8.0 – 13.5)
Urea	Berthelot	578	mg/dl	40 mg/dL	< 0.18	0.20 – 0.30	133 – 222	300mg/dL	42 (29 – 52)	102 (79 – 130)
Phosphorus	Phospho Molybdate	340	mg/dl	5mg/dL	0.5-0.9	0.45-0.70	7 – 11	25mg/dL	3.4 (2.9 – 4.0)	7.4 (5.9 – 8.9)
Urea	Urease - GLDH	340	mg/dl	40 mg/dL	> 1.0	0.07 – 0.118	344 – 572	300mg/dL	33 (22 – 43)	97 (70 – 125)
Triglycerides	GPO_POD	546	mg/dl	200 mg/dL	< 0.10	0.30 – 0.42	476 – 666	1000mg/dL	160 (118 – 220)	62 (43 – 82)
Total Protein	Biuret	546	gm/dl	5.5 gm/dL	< 0.15	0.137 – 0.25	22-40	10gm/dL	6.4 (5.0- 8.0)	4.23 (3.0 – 5.1)
Bilirubin(Total)	Jenderassik&Grof's	546	mg/dl	-	-	-	26.31	25mg/dL	0.9 (0.6 – 1.5)	4.2 (3.0 – 6)