

Unit D-4-7, Industrial Estate , Moula-Ali.,
Hyderabad-500040

PRODUCT SPECIFICATIONS FOR BIOCHEMISTRY

Month: OCT, 2014

Product name	Method	λ	Units	Std Conc	Blank	STD O.D Range	Factor Range	Linearity	BioRad control Level1 (Lot No14461)	BioRad Control Level2 Lot No(14462)
Albumin	BCG	630	gm/dL	3.5 gm/dL	< 0.10	0.388 – 0.600	5.8-9.0	8gm/dL	4.04(3.0-5.0)	2.64 (2.0-3.5)
Alpha amylase	CNPG3	405	IU/L	-	< 0.5	-	4640	2000IU/L	43(30-55)	340 (265-415)
ALP-LR	PNPP-DEA-Method	405	IU/L	-	< 1.2	-	2757	1000IU/L	140(112-168)	450 (361-542)
ALP-DB	PNPP-DEA-Method	405	IU/L	-	< 1.2	-	2757	1000IU/L	140(112-168)	450 (361-542)
Bilirubin(Total)	Jenderassik&Grof's	546	mg/dL	-	-	-	26.31	25mg/dL	1.0(0.7-1.3)	4.5 (3.4-5.6)
Bilirubin(Direct)	Jenderassik&Grof's	546	-	-	-	-	26.31	25mg/dL	0.38(0.30-0.45)	1.26 (0.9-1.7)
Calcium	Arsenazo - III	630	mg/dL	10 mg/dL	0.42 – 0.58	0.310 – 0.480	20 – 32	20mg/dL	9.41(8.0-10.5)	12.4 (11.0-13.9)
Creatinine - LR	Modified Jaffes	505	mg/dL	2 mg/dL	-	0.050 – 0.085	23 -40	30mg/dL	2.5(2.0-3.0)	5.25 (4.2-6.3)
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 – 0.400	476 – 666	750mg/dL	262(232-292)	101 (89-113)
Glucose-DB	GOD-POD	505	mg/dL	100 mg/dL	< 0.10	0.300 – 0.400	238 – 333	500mg/dL	90(70-110)	296 (230-360)
Glucose-LR	GOD-POD	505	mg/dL	100 mg/dL	< 0.10	0.300 – 0.400	238 – 333	500mg/dL	90(70-110)	296 (230-360)
GHB	Ion Exchange	405	%		-	-	4.61	17.00%	6-8% (Nor Sample)	6-8% (Nor 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	mmol/L	5 mmol/L	-	0.555-0.900	5.5 - 9	7mmol/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 - DB	IFCC UV	340	IU/L	-	1.0 – 2.0	-	1746	450IU/L	40.7(32-50)	170 (124-216)
SGOT - LR	IFCC UV	340	IU/L	-	0.8 – 2.0	-	1746	450IU/L	40.7(32-50)	170 (124-216)
SGPT - DB	IFCC UV	340	IU/L	-	1.0 – 2.0	-	1746	450IU/L	33.3(23.0-43.0)	88 (68.0-108.0)
SGPT - LR	IFCC UV	340	IU/L	-	0.8 – 2.0	-	1746	450IU/L	33.3(23.0-43.0)	88 (68.0-108.0)
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(33.0-48.0)	102 (85.0-125.0)
Phosphorus	Phospho Molybdate – Direc	340	mg/dL	5mg/dL	0.500-0.900	0.450-0.70	7 – 11	25mg/dL	3.48(3.0-3.9)	7.4 (6.3-8.3)
Urea	Urease - GLDH	340	mg/dL	40 mg/dL	> 1.0	0.07 – 0.118	344 – 572	300mg/dL	33(23.0-42.0)	99 (79.0-120.0)
Triglycerides	GPO_PO D	546	mg/dL	200 mg/dL	< 0.10	0.30 – 0.42	476 – 666	1000mg/dL	169(126-211)	68 (51.0-85.0)
Total Protein	Biuret	546	gm/dL	5.5 gm/dL	< 0.15	0.137 – 0.25	22-40	10gm/dL	7.2(6.2-8.0)	4.7 (4.0-5.4)
DHDL	Direct	578	mg/dL	73 mg/dL	< 0.010		1475-2400	250mg/dL	78.7 (63 – 94.4)	31.1 (24.9– 37.3)
DLDL	Direct	578	mg/dL	139 mg/dL	< 0.010		900 – 1500	700 mg/dL	138(100-175)	76.8 (52-100)
LDH	P-->L (IFCC)	340	IU/L	-	-	-	8095	2000IU/L	160(120 – 200)	363 (300 – 445)
CK-NAC	IFCC	340	IU/L	-	-	-	8095	2000IU/L	118(80 – 160)	390 (250 – 510)