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

PRODUCT SPECIFICATIONS FOR BIOCHEMISTRY – DEC 2014

Product name	Method	λ	Units	Std Conc	Blank	STD O.D Range	Factor Range	Liniarity	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)
Albumin	BCG	630	gm/dl	3.5gm/dl	<0.10	0.388 – 0.480	5.8 – 9.0	8 gm/dl	4.04(3.0 – 5.0	2.6(2.04 – 3.5)
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)
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		
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)
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)
Direct HDL	Direct	578	mg/dL	73 mg/dL (Callbrator)	<0.050	73 mg/dL	1475-2400	250mg/dL	78.7 (63 -94.4)	31.1 (24.9 - 37.3)
Direct LDL	Direct	578	mg/dL	139 mg/dL (Callbrator)	<0.050	139 mg/dL	900 - 1500	700mg/dL	138 (100 -175)	76.8 (52 - 100)
Phosphorus	Phospho Molybdate-Direct UV	340	mg/dL	5mg/dl	0.500 – 0.900	0.450 -0.70	07 – 11	25mg/dL	3.48(3.0-3.9)	7.4(6.3 – 8.3)