

Identi Assayed Human Sera Level 2 - Abnormal Control

Cat No: HN1530

Lot No: 1195UE

Expiry: 2025 - 04 - 28

Pack size: 1X5 mL

Abnormal QC					
Parameter	Method	Mean	Range	1SD	Unit
Glucose	Glucose oxidase	283	240 - 326	45	mg/dL
Cholesterol	Cholesterol oxidase	287	250 - 324	37	mg/dL
Triglycerides	Lipase/GPO-PAP, no correction	258	218 - 298	40	mg/dL
HDL-cholesterol	HDL Ultra	92.6	78.7 - 107	13.9	mg/dL
Urea	Urease kinetic	122	103 - 141	19	mg/dL
Creatinine	Alkaline picrate-no deproteinization	4.75	3.8 - 5.70	0.95	mg/dL
Uric acid	Uricase peroxidase, with ascorbate oxidase	9.41	8.18 - 10.6	1.23	mg/dL
AST (SGOT)	Tris buffer w/o P5P, 37°C	142	113 - 171	29	U/L
ALT (SGPT)	Tris buffer w/o P5P, 37°C	142	113 - 171	3.5	U/L
Alkaline phosphatase	AMP optimised to IFCC 37°C	340	289 - 391	51	U/L
Total Proteins	Biuret reaction, end point	4.55	3.64 - 5.46	0.91	g/dL
Albumin	Bromocresol green	2.96	2.52 - 3.40	0.44	g/dL
Total Bilirubin	Diazo, with sulphanilic acid	5.65	4.47 - 6.83	1.18	mg/dL
Direct Bilirubin	Diazo, with sulphanilic acid	2.08	1.65 - 2.51	0.43	mg/dL
Calcium	Arsenazo III	12.5	11.2 - 13.8	1.3	mg/dL
Phosphorus	Phosphomolybdate UV	7.13	6.08 - 8.18	1.05	mg/dL
Magnesium	Xylidyl blue	4.18	3.67 - 4.69	0.51	mg/dL
Amylase	2-chloro-PNPG 3, 37°C	296	252 - 340	44	U/L
GGT	Gammaglutamyl-3-carboxy-4-nitroanilide (IFCC) 37°C	185	158 - 212	27	U/L
LDH-L	L-P IFCC 37°C	387	329 - 445	58	U/L
CK NAC	CK NAC (IFCC) 37°C	532	436 - 628	96	U/L
Lipase	Roche colorimetric 37°C	71	57 - 85	14	U/L

Date: 13.10.2021

Place: Chennai

* PLEASE CHECK OVERLEAF FOR IMPORTANT INSTRUCTIONS

Patient's Name: **Control Sample**
Age/Sex: **11 Years/Male**
Referred By: **Self ()**

Ref No: **92116-22**
Sample Received on: **04/08/2022 09:20**

BIO CHEMISTRY

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
S.G.P.T. (ALT):	<u>147</u>	IU/L	Upto 40 .0 U/L
S.Creatinine:	<u>5.27</u>	mg/dl	0.8 - 1.4 mg/dL
S.Urea:	<u>126</u>	mg/dl	15.0 - 37.0 mg/dL
Total Protein:	<u>4.9</u>	gm/dl	6.3 - 8.6 gm/dl
Total Bilirubin:	<u>5.87</u>	mg/dl	0.3 - 1.10 mg/dl
S.Uric Acid:	<u>9.6</u>	mg/dl	M : 2.5 - 8.0 mg/dL W : 1.3 - 6.0 mg/dL
S. Cholesterol:	<u>292</u>	mg/dl	< 200 mg/dl - Desirable, 200-239 mg/dl - Boderline high, > 240 mg/dl - High
S.Calcium	<u>12.6</u>	mg/dl	8.8 - 10.1 mg/dl
S. Triglyceride:	<u>248</u>	mg/dL	< 150 mg/dL Normal 150 - 199 mg/dL Boder line High 200 - 499 mg/dL High > 500 mg/dL Very High
Random Blood Sugar :	<u>297</u>	mg/dl	70 - 140 mg/dl

Done by Hexokinase Method.

Tests are carried out on Fully Automated Biochemistry Analyser, Dimension Xpand PLUS, Siemens, Germany.

Dr. Anamika Sahu
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Checked By : _____

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Date	11-07-2022

Calibration Certificate

This is to certify that **Dimension Xpand & Serial Number 2004080709, Instrument ID 6640000021993** installed at **Malavia Advanced Laboratory -Surat** has been successfully calibrated on 11th July 2022. Please find below, results of calibration performed on the instrument.

Photometric Calibration Data are as follows:

Photometer Dark Calibration

Parameter	Observed Value	Accepted Range
Reference	9058.93 Hz	8500 – 11000 Hz
Sample Outer ON	9439.80 Hz	8500 – 11000 Hz
Sample Outer OFF	9437.94 Hz	8500 – 11000 Hz

Lamp Calibration

Low Calib Level	52.0 %	NA
High Calib Level	65.2 %	NA
Photometer Arm Alignment	6.49 %	-2 to -9

Filters	Offset (mAU)	System Check Results	Range
293 nm	314	1.82	+/- 2.5
340 nm	315	-0.23	+/- 1.5
383 nm	316	-0.27	+/- 1.5
405 nm	314	-0.17	+/- 1.5
452 nm	319	0.26	+/- 1.5
510 nm	314	0.41	+/- 1.5
540 nm	318	0.35	+/- 1.5
577 nm	312	0.20	+/- 1.5
600 nm	316	0.26	+/- 1.5
700 nm	314	0.23	+/- 1.5

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System Check Results – CHK Lot No: BB0337

Parameters	Results		Range	
	Mean	SD	Mean	SD
Reagent 1	393.94	1.88	390 +/-12	< 3.8
Reagent 2	396.00	1.28	390 +/-12	< 3.8
Sampler	39.48	0.16	39.0 +/-2	< 0.8

Temperature		
Cuvette	36.7 °c	37.0°c +/- 0.2
HM	43.0 °c	43.0°c +/- 1.0
Regent Tray	4.9 °c	2°c to 8°c

The instrument is working satisfactorily, subsequent to Calibrations of the above parameters, and the Next Calibration is due in the month of July 2023

Note: Absorbance kit is an USFDA approved kit used in performing the system check in all Dimension systems. The carton value is a predetermined value for which the limits are defined in system check screen and operator guide of Dimension.

Next Calibration will be performed on 11st July 2023

Siemens Healthcare Private Limited



Jagannath Choudhary
Regional Customer Care Manager – West & West Central