



Microbiological Laboratory

No.142-2, Cura Pharmacy Building (1st floor) opp.to Suguna Kalyana Mandapam, Avinashi Road COIMBATORE-641004

e-mail : microlabcbe@microlabindia.com
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Bill No : 4200007759



Name : Mr/Ms SHANMUGAM S

Ref. By Dr : SELF

Age & Sex : 58Y / Male



Reg No : 040005586

Printed Date : 15/07/2018 18:15

Sample Date : 14/07/2018 08:43

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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time	Test Qrcode
BIOCHEMISTRY									
SERUM	IgE TOTAL	160.5		IU/ml	w.e.f 13.05.17 Less than 1 yr : 1.4-52.3 IU/mL 1- 4 years : 0.4-351.6 IU/mL 5- 10 years : 0.5-393 IU/mL 11 - 15 years: 1.9-170 IU/mL Adults: < 158 IU/mL Tietz-Clinical guide-4th Edition Pg.No: 1758	* Nisha M Msc	14/07/2018	12:41	
PLASMA	GLUCOSE (fasting)	152.3	110.0(10/02/2018)	mg/dl	Child: 60-100; Adult 74-106 Criteria For Diagnosis of Diabetes Mellitus: more than 126 (HEXOKINASE- End point method)wef 18/06/15. Tietz-Clinical guide-4th Edition Pg.No: 444	* Autovalidated	14/07/2018	12:21	

SENSITIVITY of the assay: 5 mg/dl. Measuring range 5 - 800 mg/dl. Value more than measuring range is reported as >800 mg/dl INTERFERING SUBSTANCES: Hemoglobin > 1000 mg/dl ,Bilirubin > 30 mg/dl(Ref as per kit insert)



M. Mani M.Sc., (Medical Microbiology)
Chief of Laboratory Service



CAP Survey Participant



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SERUM	APO - A1	1.10	1.20(10/02/2018)	g/L	w.e.f 09.04.17 Cutpoints: More than 1.2 g/L Tietz-Clinical guide-4th Edition Pg.No: 144 (Immuno turbidimetry Method).A low Apo-A1 level indicates an increased risk of cardiovascular disease, especially in the presence of an elevated apolipoprotein B (Apo-B).low levels are also associated with corneal opacities and xanthomas. Diagnosis is confirmed by genetic testing.	* Dr.U.Devaki	14/07/2018	14:45	
SERUM	APO - B	0.94	0.89(10/02/2018)	g/L	0.55 to 1.40 Immuno turbidimetry Elevated levels of apo B correspond to elevated levels of LDL-C and to non-HDL-C and are associated with an increased risk of cardiovascular disease (CVD). Elevations may be due to a high-fat diet and/or decreased clearing of LDL from the blood.An increased ratio of apo B to apo A-I may indicate a higher risk of developing CVD.	* Dr.U.Devaki	14/07/2018	14:45	




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spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time
SERUM	APO B/A1 ratio #	0.85	0.74(10/02/2018)		0.4 one half risk. 1.0 average risk. 1.6 Twice average risk Ref: Interpretation of diagnostic tests- Wallach-10th edition-page 823	* Dr.U.Devaki	14/07/2018	14:45
SERUM	Lipo Protein a (LP(a)) *	9.9	8.5(10/02/2018)	mg/dl	Lessthan 30.0 (Immunoturbidimetric method)A high Lpa level may increase a persons risk for cardio and/or cerebral vascular disease.It is currently the strongest genetic, casual and independent risk factor for heart disease,aortic stenosis, thrombosis and stroke.If you have high LPa, each of your children has at least 50% chance of inheriting it	* Nisha M Msc	14/07/2018	13:14
SERUM	B12 level #	597.6		pg/mL	180 to 900 Indeterminate 130 to 180 deficiency 0 to 130 ECLIA METHOD	* Nisha M Msc	14/07/2018	13:14
SERUM	FERRITIN level	21.07		ng/mL	w.e.f. 22.04.17 21.8 - 274.66 CLIA Method	* Nisha M Msc	14/07/2018	13:14

SENSITIVITY of the assay: 0.3 mg/dl. Measuring range 0.3 - 80 mg/dl. Value more than measuring range is reported as > 80 mg/dl.
INTERFERING SUBSTANCES: Hemoglobin > 10 g/L ,Bilirubin > 25 mg/dl , Triglycerides > 5 g/L(Ref as per kit insert)

SENSITIVITY of the assay: 0.0 ng/mL. Measuring range 0.0 - 2000 ng/mL. Value more than measuring range is reported as > 2000 mg/dL
SUBSTANCES: Hemoglobin > 200 mg/dl ,Bilirubin > 20 mg/dl , Triglycerides > 3000 mg/dl, Protein < 2 g/dl and > 12 g/dl(Ref as per kit insert)




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SERUM	TSH	1.908	2.00(10/02/2018)	uIU/mL	Adults 21 - 54 yr : 0.4 - 4.2 55 - 87 yr : 0.5 - 8.9 Premature infants (28 - 36 wk gestation) : 0.7 - 27 1 - 4 days : 1.0 - 39 2 - 20 wk : 1.7 - 9.1 5 mo - 20 yr : 0.7 - 6.4 CLIA method Method.Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:1040	* Autovalidated	14/07/2018	12:54	
SENSITIVITY of the assay: 0.001 uIU /mL. Measuring range 0.001 to 100 . Value more than measuring range is reported as > 100 INTERFERING SUBSTANCES: Hemoglobin > 500 mg/dl ,Bilirubin > 20 mg/dl , Triglycerides > 3000 mg/dl, Protein < 2 g/dl and > 12 g/dl(Ref as per kit insert)									
SERUM	FOLATE	4.29		ng/mL	w.e.f. 22.04.17 Normal : 3.1 - 20.5 ng/mL, Folate Deficiency:less than 3.5 ng/mL CLIA Method	* Nisha M Msc	14/07/2018	13:14	
SERUM	VITAMIN A (RETINOL)	0.63		mg/L	0 -1 month: 0.18 - 0.50 2 months - 12 years : 0.20 - 0.50 13 - 17 years : 0.26 - 0.70 > 18 years: 0.30 - 1.20 HPLC Method	* Dr.U.Devaki	15/07/2018	13:50	

Vitamin A is critical for vision,growth and many cell functions.High Concentrations of Vitamin A are seen with renal failure but this is not associated with toxicity and excessive ingestion.High Concentrations are associated with bone fracture. Low Concentration of Vitamin A are consistent with fat malabsorption and are rarely due to inadequate diet.




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SERUM	T4	6.89	7.06(10/02/2018)	ug/dL	Adult 4.6 - 10.5 cord 7.4-13.0, >60yrs 5.0-10.7 1-3 days 11.8-22.6 1-2 wk 9.8-16.6 1-4 mon 7.2-14.4 4-12 mon 7.8-16.5 1-5 yr 7.3-15 5-10 yr 6.4-13.3 10-15yr 5.6-11.7 CLIA method;Method.Ref: Tietz, Clinical guide to Lab Tests 4th Edition Pg No:1050	* Autovalidated	14/07/2018	12:54	

SENSITIVITY of the assay: 1.0 ug /dL. Measuring range 1.0 - 24 ug/dL. Value more than measuring range is reported as > 24 ug/dL INTERFERING SUBSTANCES: Hemoglobin > 500 mg/dl ,Bilirubin > 20 mg/dl , Triglycerides > 3000 mg/dl, Protein < 4.5 g/dl and > 12 g/dl(Ref as per kit insert)

HbA1c

BLOOD	HbA1c (Glycosylated Hb)	8.2	7.5(10/02/2018)	%	>8.0 : Action Suggested, <7.0 : Goal: <6.0 : Non-Diabetic level. Automated HPLC method. / Capillary Electrophoresis Method	* Nisha M Msc	14/07/2018	13:06	
BLOOD	Mean Plasma Glucose Level (over the past 60 days)	214.62	189.7(10/02/2018)	mg/dl		* Nisha M Msc	14/07/2018	13:06	

LIPID PROFILE




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SERUM	CHOLESTEROL	140.7	139.1(10/02/2018)	mg/dl	Desirable:<200, Border line 200-239,High > 240. (CHOD - PAP - End point method)wef 18/06/15. Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:244	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 5 mg/dl. Measuring range 5 - 705 mg/dl.Value more than measuring range is reported as > 705 mg/dl INTERFERING SUBSTANCES: Hemoglobin > 750 mg/dl ,Bilirubin > 7.5 mg/dl(Ref as per kit insert)									
SERUM	TRIGLYCERIDES	152.6	92.0(10/02/2018)	mg/dl	Normal-Less than 150;Border line 150-199, high 200-499. very high >500 (GPO - PAP - End point method)wef 18/06/15. Ref: Tietz, Clinical guide to Lab Tests 4th Edition Pg No:1074	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 5 mg/dl. Measuring range 5 - 1420 mg/dl.Value more than measuring range is reported as > 1420 mg/dl INTERFERING SUBSTANCES: Hemoglobin > 750 mg/dl ,Bilirubin > 7.5 mg/dl(Ref as per kit insert)									
SERUM	HDL CHOLESTEROL	30.2	37.7(10/02/2018)	mg/dl	Low:< 40; High:> 60;(Direct HDL - Enzymatic Method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition. Page No 564.	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 2.5 mg/dl. Measuring range 2.5 - 180 mg/dl.Value more than measuring range is reported as > 180 mg/dl INTERFERING SUBSTANCES: Hemoglobin > 1000 mg/dl ,Bilirubin > 32.6 mg/dl Ascorbic acid > 2.9 mg/dl(Ref as per kit insert)									



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SERUM	LDL CHOLESTEROL	80.0	83.0(10/02/2018)	mg/dl	wef:18/6/2015;Optmal:<100;Near optimal:<130;borderline high:130-159;High:160-189;Very High:190(Direct Method) Ref: Tietz, Clinical guide to Lab Tests 4th Edition pg.no: 680	* Nisha M Msc	14/07/2018	12:41	
SERUM	VLDL cholesterol	30.5	18.4(10/02/2018)	mg/dl	< 35	* Nisha M Msc	14/07/2018	12:41	
SERUM	CHOLESTEROL/HDL RATIO	4.7	3.7(10/02/2018)		0 to 10	* Nisha M Msc	14/07/2018	12:41	
SERUM	Non HDL CHOLESTEROL	110.5	101.4(10/02/2018)	mg/dl	< 130	* Nisha M Msc	14/07/2018	12:41	
Vitamin D (25OH) Total-(HPLC)									
SERUM	Vitamin D3 (25-OH) #	45.3		ng/mL	ref Total normal range	* Dr.U.Devaki	15/07/2018	13:50	



Devaki



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spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time	Test Qrcode
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Vitamin D consists of two bioequivalent forms:

Vitamin D2, which is obtained from vegetable sources (dietary sources, supplements); and

Vitamin D3, which is derived from both endogenous (synthesized from cholesterol through sun exposure) and exogenous (animal diet) sources.

Until recently, vitamin D replacement consisted exclusively of 25-hydroxy-vitamin D2. During the last 1-2 years this has started to change, with an increasing proportion of 25-hydroxy-vitamin D3 being used, in particular in high dose prescription formulations.

Thus the total 25-hydroxyvitamin D (25-OH Vitamin D) level (the sum of 25-OH vitamin D2 and 25-OH vitamin D3) IS the appropriate indicator of vitamin D body stores. HPLC method is the method of choice for the most accurate determination of both Vitamin D2 and D3

SERUM	Vitamin D2 (25-OH) #	0.0		ng/ml	ref Total normal range	*	Dr.U.Devaki	15/07/2018	13:50
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SERUM	Vit DTotal (25-OH) #	45.3		ng/mL	"Less than 10 (severe deficiency) 10 to 24 (mild-moderate deficiency) 25 to 80 (Optimal level) Morethan 80 (toxicity possible) HPLC Method	* Dr.U.Devaki	15/07/2018	13:50	
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Liver and Kidney Profile

SERUM	UREA	18.5	16.6(10/02/2018)	mg/dl	wef: 18/06/2015; Infant/Child: 10.7-38.6; 18-60yrs: 12.9-42.9; 60-90yrs: 17.1-49.3(Urease GLDH - UV kinetic method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Pg No:1096	* Nisha M Msc	14/07/2018	12:41	
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SENSITIVITY of the assay: 0.7 mg/dl. Measuring range 0.7 - 125 mg/dl. Value more than measuring range is reported as > 125 mg/dl INTERFERING

SUBSTANCES: Hemoglobin > 1000 mg/dl ,Bilirubin > 30 mg/dl(Ref as per kit insert)

SERUM	CREATININE	1.14	1.05(10/02/2018)	mg/dl	wef:18/6/2015;Infant:0.2-0.4; Child:0.3-0.7;Adolescent:0.5-1.0;18-60yr s:0.9-1.3;60-90yrs:0.8-1.3 more than 90 yrs: 1.0 - 1.7 (Jaffe - Kinetic method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:316	* Nisha M Msc	14/07/2018	12:41
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SENSITIVITY of the assay: 0.05 mg/dl. Measuring range 0.05 - 37 mg/dl. Value more than measuring range is reported as > 37 mg/dl INTERFERING

SUBSTANCES:Interferences from medications or endogenous substances may affect results .(Ref as per kit insert)

SERUM	Uric Acid	7.5	7.0(10/02/2018)	mg/dl	3.5 to 7.2 (Uricase - End point method) Child 2.0 to 5.5 (Higher in newborn)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Pg No:1098	* Nisha M Msc	14/07/2018	12:41
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SENSITIVITY of the assay: 1.0 mg/dl. Measuring range 1.0 - 33.1 mg/dl. Value more than measuring range is reported as > 33.1 mg/dl INTERFERING

SUBSTANCES: Hemoglobin > 2000 mg/dl ,Bilirubin > 40 mg/dl Ascorbate >30 mg/dl, Glucose > 1000 mg/dl (Ref as per kit insert)

SERUM	CALCIUM (Total)	9.2	9.2(10/02/2018)	mg/dl	wef:18/06/2015; 8.6 to 10.2 (Arsenazo III - End point method; Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:202	* Nisha M Msc	14/07/2018	12:41
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SENSITIVITY of the assay: 0.5 mg/dl. Measuring range 0.5 - 24 mg/dl. Value more than measuring range is reported as > 24 mg/dl INTERFERING

SUBSTANCES: Hemoglobin > 1000 mg/dl ,Bilirubin > 30 mg/dl(Ref as per kit insert)




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SERUM	PHOSPHOROUS	4.0	4.0(10/02/2018)	mg/dl	wef:13/05/2017 0 - 9 days: 4.5 - 9.0 10 days - 2 yrs: 4.0 - 6.5 3 - 15 yrs: 3.2 - 5.4 Adult: 2.4 - 4.4 Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page no:582	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 0.07 mg/dl. Measuring range 0.07 - 25.3 mg/dl. Value more than measuring range is reported as > 25.3 mg/dl (Ref as per kit insert)									
SERUM	SODIUM	140	140(10/02/2018)	mEq/L	wef:18/6/2015;infants:139-146;children:1 38-145;Adult:136-145;>90:132-146(ISE - Indirect method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:992	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 40 mEq/L Measuring range 40 - 205 mEq/L.Value more than measuring range is reported as > 205 mEq/L INTERFERING SUBSTANCES: Hemoglobin > 1000 mg/dl ,Bilirubin > 30 mg/dl (Ref as per kit insert)									
SERUM	POTASSIUM	4.73	5.39(10/02/2018)	mEq/L	Premature,48hrs 3.0 to 6.0 New born 3.7 to 5.9 Infant 4.1 to 5.3 Child 3.4 to 4.7 Adult 3.5 to 5.1 (ISE - Indirect method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:880	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 1.5 mEq/L Measuring range 1.5 - 15 mEq/L.Value more than measuring range is reported as > 15 mEq/L INTERFERING SUBSTANCES: Hemoglobin > 125 mg/dl ,Bilirubin > 30 mg/dl (Ref as per kit insert)									



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SERUM	S G O T	26.9	27.3(10/02/2018)	U/L	wef:18/06/2015;Infant:15-60;Adult:8-20(Modified IFCC - UV kinetic method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No 154	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 2.0 U/L. Measuring range 2.0 - 913 U/L. Value more than measuring range is reported as > 942 U/L INTERFERING SUBSTANCES: Hemoglobin > 750 mg/dl ,Bilirubin > 30 mg/dl (Ref as per kit insert)									
SERUM	S G P T	32.7	21.6(10/02/2018)	U/L	wef:18/06/2015; Infants:13-45;12m-60yrs:10-40;60-90yrs: 13-40;Modified IFCC - UV Kinetic method;Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page N0 54	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 2.0 U/L. Measuring range 2.0 - 942 U/L. Value more than measuring range is reported as > 942 U/L INTERFERING SUBSTANCES: Hemoglobin > 750 mg/dl ,Bilirubin > 30 mg/dl (Ref as per kit insert)									
SERUM	ALKALINE PHOSPHATASE	107.2	89.5(10/02/2018)	U/L	wef:18/03/2017;1-12yrs: upto 350 >15yrs: 25-100 (PNPP-AMP hydrolysis-kinetic Method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page:80	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay: 5.0 U/L. Measuring range 2.0 - 2200 U/L. Value more than measuring range is reported as > 2200 U/L INTERFERING SUBSTANCES: Hemoglobin > 750 mg/dl ,Bilirubin > 30 mg/dl (Ref as per kit insert)									



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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time	Test Qrcode
SERUM	BILIRUBIN TOTAL	0.63	0.48(10/02/2018)	mg/dl	Cord Blood : <2.0 0 - 1 day : 1.4 - 8.7 1- 2 days: 3.4 - 11.5 3 - 5 days: 1.5 - 12 Adult 0.3 - 1.2 (Diazotized sullfanilic method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:172	* Nisha M Msc	14/07/2018	12:41	

SENSITIVITY of the assay: 0.05 mg/dL. Measuring range 0.05 - 25 mg/dl. Value more than measuring range is reported as > 25 mg/dl INTERFERING
SUBSTANCES: Hemoglobin > 1000 mg/dl ,(Ref as per kit insert)

SERUM	PROTEIN TOTAL	7.935	7.687(10/02/2018)	gm/dL	wef:18/06/2015; Ambulatory:6.4-8.3;Recumbent:6.0-7.8(Biuret - End point method)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:916	* Nisha M Msc	14/07/2018	12:41	
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SENSITIVITY of the assay: 0.5 g/dL. Measuring range 0.5 - 18.4g/dL. Value more than measuring range is reported as 18.4g/dL INTERFERING
SUBSTANCES: Hemoglobin > 125 mg/dl ,Bilirubin > 30 mg/dl , Triglycerides > 750 mg/dl(Ref as per kit insert)




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Bill No : 4200007759



Name : Mr/Ms SHANMUGAM S

Ref. By Dr : SELF

Age & Sex : 58Y / Male



Reg No : 040005586

Printed Date : 15/07/2018 18:15

Sample Date : 14/07/2018 08:43

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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time	Test Qrcode
SERUM	ALBUMIN SERUM	4.645	4.611(10/02/2018)	g/dl	w.e.f. 09.04.17 0-4 days 2.8 to 4.4 4days-14 yrs 3.8 to 5.4 Adult 3.5 to 5.2 > 90 yrs 2.9-4.5 (BCG Dye Binding Method-End point)Ref: Tietz, Clinical guide to Lab Tests 4th Edition Page No:66 Increased in any condition causing dehydration. Decreased in Acute phase reaction and chronic inflammation-infection,surgery	* Nisha M Msc	14/07/2018	12:41	
SENSITIVITY of the assay:0.3 g/dL. Measuring range 0.3 - 10.5 g/dL. Value more than measuring range is reported as > 10.5 g/dL INTERFERING SUBSTANCES: Hemoglobin > 750 mg/dl ,Bilirubin > 30 mg/dl(Ref as per kit insert)									
SERUM	GLOBULIN	3.29	3.08(10/02/2018)	gm/dL	1.8 to 3.6	* Nisha M Msc	14/07/2018	12:41	
SERUM	A/G Ratio	1.41	1.50(10/02/2018)		1.5 to 2.0	* Nisha M Msc	14/07/2018	12:41	

CLINICAL PATHOLOGY




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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time	Test Qrcode
BLOOD	E S R (westergren) 1 hr reading	15	14(10/02/2018)	mm	< 50yrs < 15mm/hr 50-85yrs< 20mm/hr >85yrs < 30mm/hr by AUTOANALYSER- Westergren method (VESMATIC CUBE30-DIESSE) (EDTA BLOOD)...	* Serina M	14/07/2018	12:44	
HAEMOGRAM - COMPLETE									
BLOOD	TOTAL LEUCOCYTE (WBC)	13040	13910(10/02/2018)	cells/uL	4000-10000 Men (Adult)	* Serina M	14/07/2018	12:17	
Ref. Ranges for Childrens : (Birth 10000-26000, 0-3 days 7000-23000, 4-7 days 6000-22000, 8-14 days 6000-22000, 15day-1 mon 5000-19000, 2mon-3mon 5000-15000, 4-6 mons 6000-18000, 7mons-1 yr 6000-16000, 2-6 yrs 5000-15000, 7-12 yrs 5000-13000, Reference:Dacie and Lewis.)									
BLOOD	TOTAL RBC COUNT	6.70	6.95(10/02/2018)	million/uL	4.5-5.5 Men (Adult)	* Serina M	14/07/2018	12:17	
Ref. Ranges for Childrens : (Birth 5.0-7.0, 0-3 days 4.0-6.6, 4-7 days 3.9-6.3, 8-14 days 3.6-6.2, 15day-1 mon 3.0-5.4, 2mon-3mon 3.1-4.3, 4-6 mons 4.1-5.3, 7mons-1 yr 3.9-5.1, 2-6 yrs 4.0-5.2, 7-12 yrs 4.0-5.2)									
BLOOD	HAEMOGLOBIN	16.0	16.3(10/02/2018)	g/dl	13.0-17.0 Men (Adult) (SLS method)	* Serina M	14/07/2018	12:17	

Ref. Ranges for Childrens : (Birth 14.0-22.0, 0-3 days 15-21, 4-7 days 17.1-17.9, 8-14 days 16.1-16.9, 15day-1 mon 11.5-16.5, 2mon-3mon 9.4-13.0, 4-6 mons 11.1-14.1, 7mons-1 yr 11.1-14.1, 2-6 yrs 11.0-14.0, 7-12 yrs 11.5-15.5)



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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time
BLOOD	PCV	51.9	55.5(10/02/2018)	%	40-50 Men (Adult)	* Serina M	14/07/2018	12:17
Ref. Ranges for Childrens : (BIRTH 45-75, 0-3 days 45-67, 4-7 days 42-66, 8-14 days 49-53, 15day-1 mon 33-53, 2mon-3mon 28-42, 4-6 mons 30-40, 7mons-1 yr 30-38, 2-6 yrs 34-40, 7-12 yrs 35-45)								
BLOOD	MCV	77.4	79.9(10/02/2018)	fL	83-101 Men (Adult)	* Serina M	14/07/2018	12:17
Ref. Ranges for Childrens : (Birth 100-120, 0-3 days 92-118, 4-7 days 88-126, 8-14 days 86-124, 15days-1 mon 92-116, 2mon-3mon 87-103, 4-6 mons 68-84, 7mons-1 yr 72-84, 2-6 yrs 75-87, 7-12 yrs 77-95)								
BLOOD	MCH	23.9	23.5(10/02/2018)	pg	27.0-32.0 Men (Adult)	* Serina M	14/07/2018	12:17
Ref. Ranges for Childrens : (Birth 31-37, 0-3 days 31-37, 4-7 days 31-37, 8-14 days 31-37, 15days-1 mon 30-36, 2mon-3mon 27-33, 4-6 mons 24-30, 7mons-1 yr 25-29, 2-6 yrs 24-30, 7-12 yrs 25-33)								
BLOOD	MCHC	30.8	29.4(10/02/2018)	gm/dL	31.5-34.5 Men (Adult)	* Serina M	14/07/2018	12:17
Ref. Ranges for Childrens : (Birth 30-36, 0-3 days 29-37, 4-7 days 28-38, 8-14 days 28-38, 15days-1 mon 29-37, 2mon-3mon 28.5-35.5, 4-6 mons 30-36, 7mons-1 yr 32-36, 2-6 yrs 31-37, 7-12 yrs 31-37)								
BLOOD	PLATELETS COUNT	420000	415000(10/02/2018)	cells/uL	150000-410000 Men (Adult)	* Serina M	14/07/2018	12:17
Ref. Ranges for Childrens : (Birth 100000-450000, 0-3 days 210000-500000, 4-7 days 160000-500000, 8-14 days 170000-500000, 15day-1 mon 200000-500000, 2mon-3mon 210000-650000, 4-6 mons 200000-550000, 7mons-1 yr 200000-550000, 2-6 yrs 200000-490000, 7-12 yrs 170000-450000)								
BLOOD	RDW CV	16.9	19.3(10/02/2018)	%	11.6-14.0	* Serina M	14/07/2018	12:17
BLOOD	MPV	8.8	10.5(10/02/2018)	fL	6.0 - 10.0 fL	* Serina M	14/07/2018	12:17



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LAB VIDEO

Bill No : **4200007759**



Name : Mr/Ms **SHANMUGAM S**

Ref. By Dr : **SELF**

Age & Sex : **58Y / Male**



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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time
BLOOD	Large Platelets	/		%	0.9 – 9%	* Serina M	14/07/2018	11:38
	Large platelets (inclusive of immature platelets) Increased following bone marrow remission (e.g., Dengue remission) and Peripheral blood stem cell transplant.							
BLOOD	PCT	0.37	0.43(10/02/2018)	%	0.200 - 0.500 %	* Serina M	14/07/2018	12:17
BLOOD	POLYMORPHS #	76.9	76.6(10/02/2018)	%	40-80	* Serina M	14/07/2018	12:17
BLOOD	LYMPHOCYTES	12.0	14.8(10/02/2018)	%	20-40	* Serina M	14/07/2018	12:17
BLOOD	MONOCYTES	4.4	2.7(10/02/2018)	%	2.0-10.0	* Serina M	14/07/2018	12:17
BLOOD	EOSINOPHIL	4.2	4.5(10/02/2018)	%	1.0-6.0	* Serina M	14/07/2018	12:17
BLOOD	LUC	1.9	/(10/02/2018)	%		* Serina M	14/07/2018	12:17
BLOOD	NRBC	/	/(10/02/2018)	%		* Serina M	14/07/2018	12:17
BLOOD	BASOPHILS	0.6	1.4(10/02/2018)	%	<1-2	* Serina M	14/07/2018	12:17
BLOOD	Absolute Neutrophil count	10030	10670(10/02/2018)	cells/uL	2000 - 7000	* Serina M	14/07/2018	12:17
BLOOD	Absolute Lymphocyte Count	1560	2060(10/02/2018)	cells/uL	1000 - 3000	* Serina M	14/07/2018	12:17



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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time
BLOOD	Absolute Monocyte Count	570	370(10/02/2018)	cells/uL	200 - 1000	* Serina M	14/07/2018	12:17
BLOOD	Absolute Eosinophil Count	550	620(10/02/2018)	cells/uL	20 - 500	* Serina M	14/07/2018	12:17
BLOOD	Absolute Basophil Count	70	190(10/02/2018)	cells/uL	20 - 100	* Serina M	14/07/2018	12:17
URINE COMPLETE (Sysmex automated urine chemistry and deph)								
URINE	APPEARANCE	Clear			Normal : Clear, Automated Refractrometry method.	* Serina M	14/07/2018	13:17
URINE	COLOR	Pale Yellow			Pale Yellow or Straw Yellow, Automated Refractrometry method.	* Serina M	14/07/2018	13:17
URINE	pH	5.0			4.5 - 7.5 pH indicator method.	* Serina M	14/07/2018	13:17
URINE	CONDUCTIVITY	15.2		mS/cm	upto 12mS (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	SPECIFIC GRAVITY	1.012			1.001 - 1.025 Refractive Index Method.	* Serina M	14/07/2018	13:17
URINE	BLOOD (RBC/Hemoglobin)	Negative			Negative : < 0.03mg/dl, Trace : 0.03-0.06mg/dl, 1+ : 0.06-0.1mg/dl, 2+ : 0.2-0.5mg/dl, 3+ : > 1.0mg/dl Peroxidase method.	* Serina M	14/07/2018	13:17



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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time	Test Qrcode
URINE	PROTEIN	Negative			Negative : < 10mg/dl, Trace : 10-20mg/dl, 1+ : 30-70mg/dl, 2+ : 100-200mg/dl, 3+ : 300-600mg/dl, 4+ : >600mg/dl Protein error of pH Indicator method.	* Serina M	14/07/2018	13:17	
URINE	KETONE	Negative			Negative : <10mg/dl, 1+ : 10-20mg/dl, 2+ : 40-60mg/dl, 3+ : 80-100mg/dl, 4+ : >150mg/dl Nitroprusside method.	* Serina M	14/07/2018	13:17	
URINE	GLUCOSE	Negative			Negative : < 30mg/dl, Trace : 30-50mg/dl, 1+ : 70-100mg/dl, 2+ : 150-200mg/dl, 3+ : 300-500mg/dl, 4+ : >1000mg/dl GOD-POD method.	* Serina M	14/07/2018	13:17	
URINE	BILIRUBIN	Negative			Negative : < 0.5mg/dl, 1+ : 0.5-1.0mg/dl, 2+ : 2-4mg/dl, 3+ : 6-10mg/dl, 4+ : >10mg/dl Azo Coupling method.	* Serina M	14/07/2018	13:17	
URINE	UROBILINOGEN	normal			Normal : < 2mg/dl, 1+ : 2-3mg/dl, 2+ : 4-6mg/dl, 3+ : 8-12mg/dl, 4+ : > 12mg/dl Azo Coupling method	* Serina M	14/07/2018	13:17	
URINE	NITRITE	Negative			Griess method.	* Serina M	14/07/2018	13:17	




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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time
URINE	LEUCOCYTE	Negative			Negative : < 2.16 cells/hpf, 1+ : 4.5 cells/hpf, 2+ : 13.5 cells/hpf, 3+ : 90 cells/hpf Leucocyte esterase activity method.	* Serina M	14/07/2018	13:17
URINE	RBC	0.4		/hpf	0 - 4.14 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	Non Lysed RBC	0.3		/hpf	0 - 4.14 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	Lysed RBC	0.1		/hpf	< 5 cells/hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	WBC	0.8		/hpf	0 - 4.5 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	WBC-CLUMPS	0.0		/hpf	0 - 4.14 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	EPITHELIAL CELLS	0.9		/hpf	0 - 5.58 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	Squamous EPITHELIAL CELLS	0.1		/hpf	0 - 5.58 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	Non Squa. EPITHELIAL CELLS	0.7		/hpf	0 - 0.18 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	Trans. EPITHELIAL CELLS	0.0		/hpf	0 - 0.18 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36




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LAB VIDEO

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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time
URINE	Renal Tube EPITHELIAL CELLS (RTEC)	0.7		/hpf	Occasional /hpf.(Flow Cytometry method). In acute renal failure and other tubulointerstitial disease many tubular cells are discharged in the tubular lumen and eliminated in the urine. Urinary cytology confirmation advised	* Serina M	14/07/2018	12:36
URINE	CAST	0.04		/hpf	0 - 0.18 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	Path. CAST	0.00		/hpf	0 - 0.18 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	Hyaline CAST	0.04		/hpf	0 - 0.18 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	CRYSTAL	0.0		/hpf	0 - 0.18 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	BACTERIA	56.2		uL	0 - 500 uL (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	YEAST CELLS	0.0		/hpf	0 - 0.18 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	SPERM	0.0		/hpf	0 - 9 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36
URINE	MUCUS	0.00		/hpf	0 - 018 /hpf (Flow Cytometry method)	* Serina M	14/07/2018	12:36



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Final Test Report

spec.type	test name	results	previous results (Date)	units	reference ranges	released by	released date	released time
URINE	SRC	0.7		/hpf	Occasional /hpf. In acute renal failure and other tubulointerstitial disease many tubular cells are discharged in the tubular lumen and eliminated in the urine. Urinary cytology confirmation advised	* Serina M	14/07/2018	12:36

Results related only to the item tested

End of the report

For further details about the tests, visit www.labtestsonline.org or scan Test QR Code

SMS message sent on 14/07/2018 13:06 SMS message sent on 14/07/2018 13:37 Email Sent on 15/07/2018 18:13 Email Sent on 15/07/2018 18:14

* Test processed at HO coimbatore

"One of the biggest drawback of hi-tech automation is the occurrence of random errors that no one can really control. in spite of stringent qc programs, such errors are unavoidable (probability 1:1,00,000) if the results do not correlate clinically, please contact us." "CONSULT DOCTOR FOR INTERPRETATION OF LAB REPORT". "LAB RESULTS TO BE INTERPRETAEED ONLY BY THE MEDICAL PROFESSIONALS" THIS IS ONLY A LABORATORY TECHNICAL REPORT AND NOT A MEDICAL/FITNESS CERTIFICATE.



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