



	Dr. Vinay Chop MD (Pathology & Mic Chairman & Consulta	robiology)	Dr. Yugam C MD (Pa O & Consultant Pat	thology)
NAME	: Mrs. SUKHBIRI DEVI			
AGE/ GENDER	: 72 YRS/FEMALE	PATIENT 1	ID :	: 1726305
COLLECTED BY	: SURJESH	REG. NO./	LAB NO.	: 012501170016
REFERRED BY	:	REGISTRA	TION DATE	: 17/Jan/2025 10:06 AM
BARCODE NO.	: 01523994	COLLECTI		: 17/Jan/2025 10:07AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTIN	NG DATE	: 17/Jan/2025 12:03PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	3ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		HAEMATOLOG	GY	
I	HAEMOGLOBIN - HIGH PERF	ORMANCE LIQUID	CHROMATOG	RAPHY (HB-HPLC)
HAEMOGLOBIN V				
HAEMOGLOBIN AC		85.5	%	83.00 - 90.00
by HPLC (HIGH PERFO HAEMOGLOBIN F (ORMANCE LIQUID CHROMATOGRAPHY)	<0.8	%	0.00 - 2.0
	(FOETAL) ORMANCE LIQUID CHROMATOGRAPHY)	<0.8	70	0.00 - 2.0
HAEMOGLOBIN A2	2 ORMANCE LIQUID CHROMATOGRAPHY)	2.6	%	1.50 - 3.70
PEAK 3		5.3	%	< 10.0
by HPLC (HIGH PERFO OTHERS-NON SPE	ORMANCE LIQUID CHROMATOGRAPHY)	ABSENT	%	ABSENT
	OTFIC ORMANCE LIQUID CHROMATOGRAPHY)	ADSENI	70	ADSENT
HAEMOGLOBIN S	ORMANCE LIQUID CHROMATOGRAPHY)	NOT DETECTED	%	< 0.02
HAEMOGLOBIN D	(PUNJAB)	NOT DETECTED	%	< 0.02
by HPLC (HIGH PERFO HAEMOGLOBIN E	ORMANCE LIQUID CHROMATOGRAPHY)	NOT DETECTED	%	< 0.02
by HPLC (HIGH PERFO	ORMANCE LIQUID CHROMATOGRAPHY)		70	< 0.02
HAEMOGLOBIN C	ORMANCE LIQUID CHROMATOGRAPHY)	NOT DETECTED	%	< 0.02
UNKNOWN UNIDE	INTIFIED VARIANTS	NOT DETECTED	%	< 0.02
	DRMANCE LIQUID CHROMATOGRAPHY) AEMOGLOBIN (HbA1c):	4.8	%	4.0 - 6.4
WHOLE BLOOD				
	DRMANCE LIQUID CHROMATOGRAPHY) S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H		9.4 ^L	gm/dL	12.0 - 16.0
	ATOLOGY ANALYZER		Millions/cm	
RED BLOOD CELL ((RBC) COUNT ATOLOGY ANALYZER	3.72	willions/ cm	um 3.50 - 5.00
PACKED CELL VOL	UME (PCV) atology analyzer	28.8 ^L	%	37.0 - 50.0
	AR VOLUME (MCV)	77.5 ^L	fL	80.0 - 100.0
	ATOLOGY ANALYZER			

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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Test Name		Value	Unit	Biological Reference interval	
MEAN CORPUSCULA	AR HAEMOGLOBIN (MCH) TOLOGY ANALYZER	25.3 ^L	pg	27.0 - 34.0	
MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) by AUTOMATED HEMATOLOGY ANALYZER		32.6	g/dL	32.0 - 36.0	
RED CELL DISTRIBU	JTION WIDTH (RDW-CV) tology analyzer	17 ^H	%	11.00 - 16.00	
RED CELL DISTRIBU	JTION WIDTH (RDW-SD) tology analyzer	49.3	fL	35.0 - 56.0	
<u>OTHERS</u>					
NAKED EYE SINGLE OSMOTIC FRAGILIT by SINGLE RED CELL C	Y TEST	NEGATIVE (·	-ve)	NEGATIVE (-ve)	
MENTZERS INDEX		20.83	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA:	
INTERPRETATION			FINDINGS ARE SUGO GRAPHIC PATTERN	>13.0 GESTIVE OF NORMAL HAEMOGLOBIN	

INTERPRETATION:

The Thalassemia syndromes, considered the most common genetic disorder worldwide, are a heterogenous group of mandelian disorders, all characterized by a lack of/or decreased synthesis of either the alpha-globin chains (alpha thalassemia) or the beta-globin chains (beta thalassemia) of haemoglobin.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC):

1.HAEMOGLOBIN VARIANT ANALYSIS, BLOOD- High Performance liquid chromatography (HPLC) is a fast & accurate method for determining the presence and for quatitation of various types of normal haemoglobin and common abnormal hb variants, including but not limited to Hb S, C, E, D and Beta –thalassemia.

2. The diagnosis of these abnormal haemoglobin should be confirmed by DNA analysis.

3. The method use has a limited role in the diagnosis of alpha thalassemia.

4.Slight elevation in haemoglobin A2 may also occur in hyperthyroidism or when there is deficiency of vitamin b12 or folate and this should be istinguished from inherited elevation of HbA2 in Beta- thalassemia trait.

NAKED EYE SINGLE TUBE RED CELL OSMOTIC FRAGILITY TEST (NESTROFT):

1.It is a screening test to distinguish beta thalassemia trait. Also called as Naked Eye Single Tube Red Cell Osmotic Fragility Test.

2. The test showed a sensitivity of 100%, specificity of 85.47%, a positive predictive value of 66% and a negative predictive value of 100%. 3. A high negative predictive value can reasonably rule out beta thalassemia trait cases. So, it should be adopted as a screening test for beta thalassemia trait, as it is not practical or feasible to employ HbA2 in every case of anemia in childhood.

MENTZERS INDEX:

1. The Mentzer index, helpful in differentiating iron deficiency anemia from beta thalassemia. If a CBC indicates microcytic anemia, the Mentzer index is said to be a method of distinguishing between them.

2. If the index is less than 13, thalassemia is said to be more likely. If the result is greater than 13, then iron-deficiency anemia is said to be more





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Test Name	v	alue Unit	Biological Reference interval

likely.

3. The principle involved is as follows: In iron deficiency, the marrow cannot produce as many RBCs and they are small (microcytic), so the RBC count and the MCV will both be low, and as a result, the index will be greater than 13. Conversely, in thalassemia, which is a disorder of globin synthesis, the number of RBC's produced is normal, but the cells are smaller and more fragile. Therefore, the RBC count is normal, but the MCV is low, so the index will be less than 13.

NOTE: In practice, the Mentzer index is not a reliable indicator and should not, by itself, be used to differentiate. In addition, it would be possible for a patient with a microcytic anemia to have both iron deficiency and thalassemia, in which case the index would only suggest iron deficiency.



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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTIO	STRY/BIOCHEMIST ON TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.25	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.08	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.17	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	11.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	16.3	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM ECTROPHOTOMETRY	0.72	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	76.09	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM	10.64	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.57	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	4.16	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	2.41	gm/dL	2.30 - 3.50
A : G RATIO: SERU by calculated, spe <u>INTERPRETATION</u>		1.73	RATIO	1.00 - 2.00

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5





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Test Name		Value Unit	Biological Reference interval

	0
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)
DECREASED:	

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

PROGNOSTIC SIGNIFICANCE:

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6

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CLIENT ADDRESS	: 6349/1, NICI	HOLSON ROAD, AM	BALA CANTT		
Test Name			Value	Unit	Biological Reference interva
			IRON	PROFILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY		20.7 ^L	μg/dL	37.0 - 145.0
UNSATURATED IR SERUM by FERROZINE, SPEC			379.09 ^H	µg/dL	150.0 - 336.0
TOTAL IRON BIND SERUM by SPECTROPHOTON		(TIBC)	399.79	μg/dL	230 - 430
%TRANSFERRIN S			5.18 ^L	%	15.0 - 50.0
TRANSFERRIN: SE by SPECTROPHOTOM	RUM		283.85	mg/dL	200.0 - 350.0
INTERPRETATION:-					
VARIAE		ANEMIA OF CHRO		IRON DEFICIENCY ANEMIA	
SERUM I		Normal to Re		Reduced	Normal
TOTAL IRON BIND	ING CAPACITY:	Decrease	eu	Increased	Normal

% TRANSFERRIN SATURATION:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

IRON:

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes.

Decreased < 12-15 %

Decreased

It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.
 TOTAL IRON BINDING CAPACITY (TIBC):

SERUM FERRITIN:

1.It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

Decreased

Normal to Increased

% TRANSFERRIN SATURATION:

1. Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.



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Normal

Normal or Increased





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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, a	AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interva
		FERRIT	IN	
				13.0 - 147.0
by CLIA (CHEMILUMIN	ESCENCE IMMUNOASSAY)	12.98 ^L	ng/mL	13.0 - 147.0
by CLIA (CHEMILUMIN NTERPRETATION:	ESCENCE IMMUNOASSAY)		J. J	on in normal subjects and in most disorde
FERRITIN: SERUM		12.98 ^L	ng/mL	13.0 - 147.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

- INCREASED FERRITIN DUE TO IRON OVERLOAD (PRIMARY):
- 1. Hemochromatosis or hemosiderosis.
- Wilson Disease

INCREASED FERRITIN DUE TO IRON OVERLOAD (SECONDARY):

- 1. Transfusion overload
- Excess dietary Iron
 Porphyria Cutanea tada

4. Ineffective erythropoiesis. INCREASED FERRITIN WITHOUT IRON OVERLOAD:

- 1. Liver disorders (NASH) or viral hepatitis (B/C)
- 2. Inflammatory conditions (Ferritin is a acute phase reactant) both acute and chronic.
- 3. Leukaemia, hodgkin's disease.
- 4. Alcohol excess.

5. Other malignancies in which increases probably reflect the escape of ferritin from damaged liver cells, impaired clearance from the plasma, synthesis of ferritin by tumour cells.

6. Ferritin levels below 10 ng/ml have been reported as indicative of iron deficiency anemia.

NOTE: 1. As Ferritin is an acute phase reactant, it is often raised in both acute and chronic inflammatory condition of the body such as infections leading to false positive results. It can therefore mask a diagnostically low result. In such Cases serum ferritin levels should always be correlated with C-Reactive

2. Patients with iron deficiency anaemia may occasionally have elevated or normal ferritin levels. This is usually seen in patients already receiving iron therapy or in patients with concomitant hepatocellular injury.



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proteins to rule out any inflammatory conditions.



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A				
Test Name		Value	Unit	Biological Reference interval	l
	IMM	IUNOPATHOI	LOGY/SEROLOGY	X	
	ANTI TISSUE	FRANSGLUTAN	IINASE (tTG) ANTI	BODY IgA	
ANTI TISSUE TRAN		0.5	IU/mL	NEGATIVE: < 20.0	
ANTIBODY IgA		0.0		POSITIVE: > 20.0	
by ELISA (ENZYME LINI INTERPRETATION:	KED IMMUNOASSAY)				
	se antibodies (ATA) are autoant	ibodies against the	transglutaminase protei	n.	
2.Antibodies to tissue	transglutaminas are found in p	patients with severa	al conditions, including c	oeliac disease, juvenile diabetes, inflammat	ory
	rious forms ofarthritis. ATA are involved in the destru	uction of the villou	s extracellular matrix a	nd target the destruction of intestinal vill	ous
epithelial cells by kill	er cells.			0	
	in the intestinal epithelium pre en-sensitive enteropathy, celia			d inflammatory process following ingestion	n of
wheat, rye, or barley	proteins that occurs in geneti	cally susceptible in		nation in celiac disease occurs primarily in	
mucosa of the small in CLINICAL MANIFESTAT	ntestine, which leads to villous a TONS RELATED TO GASTROINTES	itrophy. TINAL TRACT:			
1.Abdominal pain					
2.Malabsorption 3.Diarrhea and Consti	nation				
CLINICAL MANIFESTAT	ION OF CELIAC DISEASE NOT RES	TRICTED TO GIT:			
1.Failure to grow (dela 2.Iron deficiency aner	ayed puberty and short stature)				
3.Recurrent fetal loss					
4.Osteoporosis and ch	nronic fatigue stomatitis (canker sores)				
	plasia, and dermatitis herpetifo	rmis.			
	disease may also present with elopment of non-Hodgkin lympho		manifestations including	g ataxia and peripheral neuropathy, and ar	e at
			ding thyroiditis, type I	diabetes mellitus, Down syndrome, and	d IgA
deficiency. NOTE:					
1.The finding of tissuindividuals with mode				nd possibly for dermatitis herpetiformis. d the patient should undergo biopsy to conf	
the diagnosis. 2.If patients strictly ac	there to a gluten-free diet, the ι	unit value of IgA-ant	ti-tTG should begin to de	crease within 6 to 12 months of onset of die	etary
therapy.	C ·	0	Ũ		
CAUTION: 1.This test should no	ot be solely relied upon to esta	ablish a diagnosis	of celiac disease. It sho	ould be used to identify patients who have	e an
	of having celiac disease and in				
	2	Δ.			
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2.Affected individuals who have been on a gluten-free diet prior to testing may have a negative result.

3.For individuals who test negative, IgA deficiency should be considered. If total IgA is normal and tissue transglutaminase (tTG)-IgA is negative there is a low probability of the patient having celiac disease and a biopsy may not be necessary.

4.If serology is negative or there is substantial clinical doubt remaining, then further investigation should be performed with endoscopy and bowel biopsy. This is especially important in patients with frank malabsorptive symptoms since many syndromes can mimic celiac disease. For the patient with frank malabsorptive symptoms, bowel biopsy should be performed regardless of serologic test results.

5. The antibody pattern in dermatitis herpetiformis may be more variable than in celiac disease; therefore, both endomysial and tTG antibody determinations are recommended to maximize the sensitivity of the serologic tests.



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LIENT ADDRESS	. 0349/ 1, MCHOLSON ROAD,	AMDALA CANT I		
Fest Name		Value	Unit	Biological Reference interval
	LAMIN: SERUM SCENT MICROPARTICLE IMMUNOA	358 SSAY)		190.0 - 890.0
NTERPRETATION:-			DECREASED VITAMI	
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C	SSAY)	су	NB12
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C en	SSAY) 1.Pregnan 2.DRUGS:	cy Aspirin, Anti-convulsants	NB12
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C en n A	SSAY) 1.Pregnan 2.DRUGS: 3.Ethanol	cy Aspirin, Anti-convulsants Igestion	NB12
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir 4.Hepatocellular inju	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C n A Iry	SSAY) 1.Pregnan 2.DRUGS: 3.Ethanol 4. Contrac	cy Aspirin, Anti-convulsants Igestion eptive Harmones	NB12
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir 4.Hepatocellular inju 5.Myeloproliferative	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C n A Iry	SSAY) 1.Pregnan 2.DRUGS: 3.Ethanol 4. Contrac 5.Haemoo	cy Aspirin, Anti-convulsants Igestion eptive Harmones Jialysis	NB12
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir 4.Hepatocellular inju 5.Myeloproliferative 6.Uremia .Vitamin B12 (cobalar	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C en n A ry disorder min) is necessary for hematop	SSAY) 1.Pregnan 2.DRUGS:. 3.Ethanol 4. Contrac 5.Haemoo 6. Multiple oiesis and normal n	cy Aspirin, Anti-convulsants Igestion eptive Harmones dialysis e Myeloma euronal function.	N B12
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir 4.Hepatocellular inju 5.Myeloproliferative 6.Uremia .Vitamin B12 (cobalar 2.In humans, it is obtal	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C en n A ry disorder min) is necessary for hematop ined only from animal protein	SSAY)	cy Aspirin, Anti-convulsants Igestion eptive Harmones Jialysis e Myeloma euronal function. hsic factor (IF) for absorp	N B12 , Colchicine
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir 4.Hepatocellular inju 5.Myeloproliferative 6.Uremia .Vitamin B12 (cobalar 1.In humans, it is obtal 3.The body uses its vita	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C en n A ry disorder min) is necessary for hematop ined only from animal protein	SSAY)	cy Aspirin, Anti-convulsants Igestion eptive Harmones Jialysis e Myeloma euronal function. hsic factor (IF) for absorp	N B12
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir 4.Hepatocellular inju 5.Myeloproliferative 6.Uremia .Vitamin B12 (cobalar 1.In humans, it is obtal .The body uses its vita excreted. .Vitamin B12 deficien	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C en n A iry disorder min) is necessary for hematop ined only from animal protein amin B12 stores very economic cy may be due to lack of IF sec	SSAY) 1.Pregnan 2.DRUGS: 3.Ethanol 4. Contrac 5.Haemoo 6. Multiple olesis and normal n s and requires intrin cally, reabsorbing vi	cy Aspirin, Anti-convulsants Igestion eptive Harmones dialysis e Myeloma euronal function. hsic factor (IF) for absorp tamin B12 from the ileun	N B12 , Colchicine
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir 4.Hepatocellular inju 5.Myeloproliferative 6.Uremia .Vitamin B12 (cobalar 2.In humans, it is obtal 3.The body uses its vita excreted. .Vitamin B12 deficien- leal resection, small in	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C en n A iry disorder min) is necessary for hematop ined only from animal protein amin B12 stores very economic cy may be due to lack of IF sec ntestinal diseases).	SSAY)	cy Aspirin, Anti-convulsants Igestion eeptive Harmones dialysis e Myeloma euronal function. hsic factor (IF) for absorp tamin B12 from the ileun ucosa (eg, gastrectomy, g	NB12 , Colchicine , Colchicine
NTERPRETATION:- INCREASE 1.Ingestion of Vitamir 2.Ingestion of Estroge 3.Ingestion of Vitamir 4.Hepatocellular inju 5.Myeloproliferative 6.Uremia .Vitamin B12 (cobalar 2.In humans, it is obtai 3.The body uses its vita excreted. .Vitamin B12 deficien eal resection, small in 5.Vitamin B12 deficien	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C en n A iry disorder min) is necessary for hematop ined only from animal protein amin B12 stores very economic cy may be due to lack of IF sec ntestinal diseases). cy frequently causes macrocy	SSAY)	cy Aspirin, Anti-convulsants Igestion eeptive Harmones dialysis e Myeloma euronal function. hsic factor (IF) for absorp tamin B12 from the ileun ucosa (eg, gastrectomy, g , peripheral neuropathy,	N B12

NOTE:A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 does not rule out tissue deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.

*** End Of Report ***





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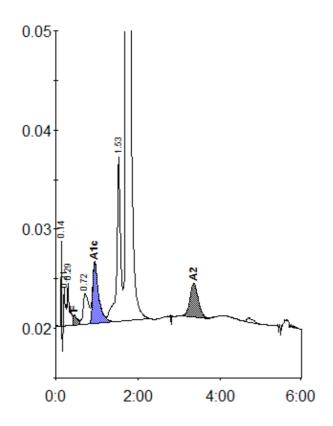
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Patient report

Bio-Rad	DATE: 01/17/2025		
D-10	TIME: 12:08 AM		
S/N: #DJ6F040603	Software version: 4.30-2		
Sample ID:	01523994		
Injection date	01/16/2025 11:40 PM		
Injection #: 21	Method: HbA2/F		
Rack #:	Rack position: 2		



Peak table - ID: 01523994						
Peak	R.time	Height	Area	Area %		
Unknown	0.14	9473	8976	0.4		
Ala	0.21	3879	13173	0.6		
Alb	0.29	4318	16782	0.8		
F	0.45	1033	8696	< 0.8 *		
LA1c/CHb-1	0.72	3107	29261	1.4		
Alc	0.95	6123	62997	4.8		
P3	1.53	16641	106732	5.3		
A0	1.71	392160	1733440	85.5		
A2	3.36	3423	47394	2.6		
Total Area:	2027451					

Concentration:	%
F	< 0.8 *
A1c	4.8
A2	2.6