

Report to **DR SOMASUNDARAM, SABARATNAM**
KAMBAH MED CTR
JENKE CRT
KAMBAH ACT 2902

 Patient **CHALLURI, RAM**
38 DUNNART CCT
THROSBY 2914

 Phone **0412 000 531**

 D.O.B **23/12/75**

Age

48 Years

Sex

Male

 Ref. by/copy to **CC Drs: PATIENT,**

 Collect date **28/09/24**

Lab ref

24-10854805

 Collect time **09:06 AM**

Your ref

00371575

 Reported **28/09/24 10:47 PM**

 Tests requested **VBF,TFT,MBA,LIP,FE,FBE,GLU,DVI**

Clin notes

VITAMIN B12 AND FOLATE STUDIES

Request Number	21961372	24967344	24542651	10854805
Date Collected	28 Feb 23	11 Oct 23	9 Feb 24	28 Sep 24
Time Collected	10:49	09:33	09:59	09:06
B12 (156-740)pmol/L	180	266	248	246
Active B12 (> 40) pmol/L	81	> 146	> 146	> 146
Serum Folate (> 9.0)nmol/L	34.2	27.8		26.7

Serum Vitamin B12 Assay:

DEFICIENCY	BORDERLINE	SUFFICIENCY
<150 pmol/L	150 - 300 pmol/L	>300 - 740 pmol/L

For patients with total B12 levels in the low or borderline range, testing for active B12 (holotranscobalamin II) will automatically be performed to resolve B12 status. Active B12 is the biologically active fraction of total serum B12, and a superior indicator of B12 status. Up to 15% of individuals may have a deficiency of the carrier protein haptocorrin, which does not result in clinical B12 deficiency, despite low total B12 levels.

Serum Active B12 Assay:

This active B12 result indicates that the patient is likely to be vitamin B12 sufficient. Patients with renal impairment may still be B12 depleted despite an active B12 level within this range. For these patients, correlation with total B12, homocysteine and/or methylmalonate is required.

Folate Interpretation:

	DEFICIENCY	BORDERLINE	SUFFICIENCY
Serum Folate:	<4.5 nmol/L	4.5 - 9.0 nmol/L	>9.0 nmol/L

Serum Folate Assay:

In the absence of recent oral intake, a serum folate >9.0 nmol/L effectively rules out folate deficiency.

Red cell folates (RCF) are no longer processed routinely. If you have requested a RCF, and require a result for appropriate clinical reasons, this will need to be discussed and agreed with a Consultant Haematologist on +61290027085 or Dr. Lucinda Wallman, Consultant Pathologist in Immunology and Medical Director on telephone number +61 290057179

**SURGERY
USE**

Normal

No Action/File

 Patient
Notified

 Make
Appoint.

Further Tests

 Notes
Required

 Speak
with Dr.

 On Correct
Treatment