Blue Cross Blue Shield of Oklahoma

Vitamin B12 and methylmalonic acid testing

Policy number: CPCPLAB010 Version 1.0 | Effective: 5/1/2026

DIAGNOSTIC LABORATORY OF OKLAHOMA

CPT® Codes: 82607, 83090, 83921, 84999

Condition or Test	May Be Reimbursable in the Following Situations	Is Not Reimbursable in the Following
Vitamin B12 Testing	Total vitamin B12 (serum cobalamin) testing may be reimbursable once every 3 months for any of the following situations listed in the 4 rows below.	In healthy, asymptomatic individuals, screening for vitamin B12 deficiency is not reimbursable
Signs and Symptoms of Vitamin B12 Deficiency	For individuals with the following signs and symptoms of vitamin B12 deficiency:	For all other situations not described below, total vitamin B12 (serum cobalamin) testing is not reimbursable
	i. Cutaneous: hyperpigmentation, jaundice, vitiligo	
	ii. Gastrointestinal: glossitis	
	iii. Hematologic: anemia (macrocytic, megaloblastic), leukopenia, pancytopenia, thrombocytopenia, thrombocytosis	
	iv. Neuropsychiatric: areflexia, cognitive impairment (including dementia-like symptoms and acute psychosis), gait abnormalities, Irritability, loss of proprioception and vibratory sense, olfactory impairment, peripheral neuropathy	
Treatment for Vitamin B12 Deficiency	For individuals undergoing treatment for vitamin B12 deficiency	___
Low Normal or Normal Vitamin B12 Levels	In asymptomatic high-risk individuals with low-normal levels of vitamin B12 or when vitamin B12 deficiency is suspected but the serum vitamin B12 level is normal or low-normal, methylmalonic acid testing to confirm vitamin B12 deficiency may be reimbursable	___
Vitamin B12 testing may be reimbursable for individuals with one or more of the following risk factors for vitamin B12 deficiency:		
Risk Factors for Vitamin B12 Deficiency	i. For individuals with decreased ileal absorption due to:	
	1. Crohn's disease.	
	2. Ileal resection.	
	3. Tapeworm infection.	
	4. Having undergone, or for those who have been scheduled for, bariatric procedures such as Roux-en-Y gastric bypass, sleeve gastrectomy, or biliopancreatic diversion/duodenal switch.	
	ii. For individuals with decreased intrinsic factor due to:	
	1. Atrophic gastritis.	
	2. Pernicious anemia.	
	3. Postgastrectomy syndrome.	
	iii. For individuals with transcobalamin II deficiency.	

Disclaimer: This associated condition reference guide is provided as an aid to physicians and office staff in determining when testing is medically necessary. The diagnosis must be applicable to the patient's symptoms or conditions and must be consistent with documentation in the patient's medical record. DLO does not recommend any diagnosis codes or conditions and will only submit diagnosis information provided to us by the ordering physician or his/her designated staff. The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.

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Vitamin B12 testing may be reimbursable for individuals with one or more of the following risk factors for vitamin B12 deficiency - continued		
Risk Factors for Vitamin B12 Deficiency	iv. For individuals with inadequate B12 intake:	
	1. Due to alcohol abuse.	
	2. In individuals older than 75 years or elderly individuals being evaluated for dementia.	
	3. In vegans or strict vegetarians (including exclusively breastfed infants of vegetarian/vegan mothers).	
	4. Due to an eating disorder.	
	v. For individuals with prolonged medication use:	
	1. Histamine H2 blocker use for more than 12 months.	
	2. Metformin use for more than four months.	
	3. Proton pump inhibitor use for more than 12 months.	
Condition or Test	**May Be Reimbursable in the Following Situations**	**Is Not Reimbursable in the Following Situations**
Methylmalonic Acid for Inborn Errors of Metabolism	For the evaluation of inborn errors of metabolism, methylmalonic acid may be reimbursable	_____
Homocysteine Testing	_____	For the confirmation of vitamin B12 deficiency, homocysteine testing is not reimbursable
Holotranscobalamin Testing	_____	For the screening, testing, or confirmation of vitamin B12 deficiency, holotranscobalamin testing is not reimbursable

To view the complete policy, please refer to the Blue Cross Blue Shield of Oklahoma policy document referenced here: https://www.bcbsok.com/docs/provider/ok/standards/cpcp/avalon/2026/cpcplab010-5-1-2026.pdf

Last updated: 7/16/2026