



A LabCorp Company

December 2, 2009

Endocrinology Service Update: Reporting Unit & Reference Range Change

Test Title: C-Telopeptide, Serum

Test Code: 500130

CPT Code: 82523 (No change)

Effective Date: January 4, 2010

Explanation of change: The new reporting unit and reference range for C-Telopeptide serum will be expressed in units of pg/mL.

Due to changes in the units expressed by the reagent manufacturer, we will be converting all results and reference ranges from the previous reporting unit of pmol/L to the new reporting unit of pg/mL. In addition to the updated reference ranges for monitoring bone resorption changes there is now a reference range specific to bisphosphonate-associated osteonecrosis (BON).

Please refer to the attached chart for updated reference ranges for the new reporting units. If you have questions or need additional information, please call us at (800) 444-9111. We value you as a customer and thank you for choosing Esoterix.

Description	Predicate Reference Range –pmol/L	New Reference Range – pg/mL
Reference Range C-Telopeptide, Serum	Gender	Range (pg/mL)
	Males	<250 – 5100
	Females	
	Premenopausal	<250 – 4500
	Postmenopausal	<250 – 7300
		Gender
		Range (pg/mL)
		Males
		115 – 748
		Females
		Premenopausal
		112 - 738
		Postmenopausal
		142 - 1351
		Patients at risk for Bisphosphonate-associated osteonecrosis (BON):
		Risk Zone <150 – 200 pg/mL ^{1,2}

¹Marx RE et al. "Oral biphosphonate induced osteonecrosis: risk factors, prediction of risk using serum NTX testing, prevention, and treatment." J Oral Maxillofac Surg. 2007 Dec; 65(12):2397-410.

²Kuncher R et al. "Clinical investigation of C-terminal cross-linking telopeptide test in prevention and management of Biphosphonate-associated osteonecrosis of the jaws." J Oral Maxillofac Surg. 2009 Jun; 67(6):1167-73."