

# Bone Specific Alkaline Phosphatase BAP

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## General:

Bone specific AP is a glycoprotein localized in the plasma membrane of osteoblasts and represents their activity. The precise role is unclear although it is essential for mineralization. Total circulating AP is also derived from liver, intestine, spleen, kidney, placenta (in pregnancy) or from various tumors. Bone specific AP comprises approximately 50% of total circulating AP in normal subjects. Measurement of bone specific AP by IRMA reflects bone turnover more specifically and sensitively than total AP. The function of bone-specific alkaline phosphatase (BAP) is not yet clearly understood, although it has been shown to be a biochemical indicator of bone turnover.

**Indication:** Monitoring disease activity and the response to antiresorptive therapy in patients with Paget's disease, monitoring the effectiveness of antiresorptive therapy in patients with osteoporosis, determining the degree of bone turnover in patients with various forms of metabolic bone disease (renal osteodystrophy, hyperparathyroidism)

**Material:** 1 ml serum

**TAT:** 7-10 days\*

**Method:** GEL

**Units:** %

**Ref.- range:** see report

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>