

Bone Specific Alkaline Phosphatase (Ostase)

Method:	Access Chemiluminescent Immunoassay
Kit Manufacturer:	Beckman Coulter, Fullerton, CA
Description:	The Access Ostase assay is a paramagnetic particle, chemiluminescent immunoassay for use with the Access Immunoassay Systems for the quantitative measurement of bone alkaline phosphatase (BAP), an indicator of osteoblastic activity, in human serum and plasma.

Collection and Performance Characteristics

Tube type:	Preferred: SST Alternate: Plasma with lithium heparin or sodium heparin Store at -80 °C																								
Minimum Volume:	0.5 mL																								
Lowest Reportable Value:	0.10 ug/L																								
Dynamic range:	0.10- 120.0 ug/L																								
Precision:	Average biological coefficient of variation was calculated as 4.2%																								
Reference Range:	<p style="text-align: center;">Summary of BAP Concentrations in Apparently Healthy Adults*</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>n</th> <th>BAP Mean (µg/L)</th> <th>SD</th> <th>BAP Median (µg/L)</th> <th>BAP 95th Percentile (µg/L)</th> </tr> </thead> <tbody> <tr> <td>Males</td> <td>217</td> <td>12.3</td> <td>4.3</td> <td>11.6</td> <td>20.1</td> </tr> <tr> <td>Premenopausal Females</td> <td>228</td> <td>8.7</td> <td>2.9</td> <td>8.5</td> <td>14.3</td> </tr> <tr> <td>Postmenopausal Females</td> <td>529</td> <td>13.2</td> <td>4.7</td> <td>12.5</td> <td>22.4</td> </tr> </tbody> </table> <p><small>*Results generated with the Tandem-R Ostase Immunoradiometric assay</small></p>		n	BAP Mean (µg/L)	SD	BAP Median (µg/L)	BAP 95th Percentile (µg/L)	Males	217	12.3	4.3	11.6	20.1	Premenopausal Females	228	8.7	2.9	8.5	14.3	Postmenopausal Females	529	13.2	4.7	12.5	22.4
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