The MicroVue BAP immunoassay provides a quantitative measure of bone-specific alkaline phosphatase (BAP) activity in serum as an indicator of osteoblastic activity. Measurement of BAP is intended for use as an aid in the:

- management of postmenopausal osteoporosis and Paget’s disease;
- monitoring of postmenopausal women on hormonal or bisphosphonate therapy;
- prediction of skeletal response to hormonal therapy in postmenopausal women.

**Format**
- ELISA
- 96-well microplate with reagents sufficient to test 40 samples in duplicate.
- Sample type: serum.
- Controls: High, Low.

**Species Reactivity**
- Rabbit, Pig, Dog, Sheep, Goat, Cow, Horse, Cynomologous Macaque, Human.
- Tissue culture of above species.
- No recognition of Rat or Mouse.

**Specimen – Serum**
- Stable in serum with a long half-life.
- Unaffected by impaired renal function.
- Unaffected by other circulating AP isoenzymes.

**Assay Steps**
- Add 125 µL Assay Buffer.
- Add 20 µL Standards, Controls, and samples; swirl.
- Incubate 3 hours ± 10 minutes at room temperature.
- Wash 4 times with 1X Wash Buffer.
- Add 150 µL room temperature Working Substrate Solution.
- Incubate 30 ± 5 minutes at room temperature.
- Add 100 µL Stop Solution and read OD at 405 nm.
- Data reduction: 4 parameter.

**Performance Characteristics**
- **Method:** Immuno-capture
- **Analyte:** Bone alkaline phosphatase
- **Specimen:** Serum
- **Specimen Volume:** 20 µL
- **Sensitivity:** 0.7 U/L
- **Dynamic Range:** 2-140 U/L
- **Precision CVs within-run:** 3.9-5.8%
- **Precision CVs between-run:** 5.0-7.6%
- **Incubation Time:** 3.5 Hours
- **Specificity:** Bone AP 100%
  - Liver AP 3-8%
  - Placenta AP 0%
  - Intestine AP 0.4%
- **Expected Values:**
  - Females: 25-44 yr. premenopausal: 11.6-29.6 U/L
  - Females: ≥ 45 yr. postmenopausal: 14.2-42.7 U/L
  - Males: ≥ 25 yr.: 15.0-41.3 U/L

**TO ORDER:** Call Quidel Customer service at 1.800.524.6318 (USA only), 1.408.616.4301 or fax 1.408.616.4310.

**MicroVue BAP**
- Cat. #8012

**Also Available**
- BAP Controls (set of 4) Cat. #4820