

MICROVUE™

Bone Health

Technical Data Sheet

MicroVueBAP

For *In Vitro* Diagnostic Use

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, Cynomolgus 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 μ L Assay Buffer.
- Add 20 μ L Standards, Controls, and samples; swirl.
- Incubate 3 hours \pm 10 minutes at room temperature.
- Wash 4 times with 1X Wash Buffer.
- Add 150 μ L room temperature Working Substrate Solution.
- Incubate 30 \pm 5 minutes at room temperature.
- Add 100 μ L 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 μ L
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: \geq 45 yr. postmenopausal:
14.2-42.7 U/L
Males: \geq 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



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