

# MICROVUE™

## Bone Health

## Technical Data Sheet

### MicroVueTRAP5b

For **Research Use Only**. Not for use in diagnostic procedures.

The MicroVue TRAP5b assay is an enzyme immunoassay for the quantitative determination of tartrate-resistant acid phosphatase isoform 5b (TRAcP 5b) in Human Serum and Plasma.

#### Format

- ELISA
- 96-well assay plate
- Sample type: EDTA or Heparin Plasma and Serum
- Controls: High, Low

#### Species Reactivity

- Reactive with human derived TRAP5b in serum, plasma or cell-culture medium.
- No reactivity detected in Baboon, Cow, Chicken, Cynomologous Macaque, Goat, Mouse, Rabbit, Rat, Rhesus Macaque, and Sheep.

#### Assay Steps

- Add 100 µL of Sample Diluent.
- Add 50 µL of Standards, Controls and specimens.
- Seal the microplate. Incubate for 60 minutes at room temperature on a microplate shaker.
- Wash the microplate wells three times with Wash Buffer.
- Add 100 µL of Substrate Solution.
- Seal the microplate. Incubate for 60 minutes at 37°C.
- Add 50 µL Stop Solution and read the OD at 405 nm.
- Data reduction: Quadratic.

#### Performance Characteristics

**Method:** ELISA

**Analyte:** Tartrate-resistant acid phosphatase isoform 5b (TRAcP5b)

**Specimen Volume:** 50 µL

**Sensitivity:** 0.2 U/L

**Assay Range:** 0.2-15 U/L

**Precision CVs within-run:** 3-8%

**Precision CVs between-run:** 4-8%

**Incubation Time:** 2 Hours

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

**MicroVue TRAP5b**

Cat. #8033



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