

MICROVUE™

Bone Health

Technical Data Sheet

MicroVue Serum PYD

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

MicroVue Serum PYD provides a quantitative measure of the excretion of pyridinoline crosslinks (PYD) in serum.

Format

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

Species Reactivity

- Baboon, Cat, Cow, Dog, Guinea Pig, Horse, Human, Rhesus Macaque, Mouse, Rat.
- No recognition of rabbit.

Specimen

- Serum collected to avoid hemolysis.
- Plasma has not been validated with all species.

Assay Steps

- Spin serum in spinfilters (included) for 30 minutes.
- Add 50 µL Reagent 1 to plate.
- Add 25 µL Serum, diluted Standards, diluted Controls.
- Add 75 µL cold Pyridinoline antibody.
- Incubate overnight at 2-8°C.
- Wash 3 times with 1X Wash Buffer.
- Add 150 µL Enzyme Conjugate.
- Incubate 60 ± 5 minutes at room temperature.
- Wash 3 times with 1X Wash Buffer.
- Add 150 µL Working Substrate Solution.
- Incubate 40 ± 5 minutes at room temperature.
- Add 100 µL Stop Solution.
- Read at 405 nm.
- Data reduction: 4 parameter.

Performance Characteristics

Method: Competitive
Analyte: Pyridinoline (PYD, LP)
Specimen: Serum
Specimen Volume: 25 µL post-filtration
Limit of Detection: 0.4 nmol/L
Lower Limit of Quantification: 0.75 nmol/L
Higher Limit of Quantification: 12 nmol/L
Precision CVs within-run: 6.3-14.8%
Precision CVs between-run: 8.7-11.6%
Incubation Time: 20-26 Hours
Specificity: Free PYD 100%
Free DPD 0%
PYD/DPD peptides <2.5%
L-arginine 0.0004% (see insert)

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

MicroVue Serum PYD Cat. #8019

Also Available

Pyridinoline Controls Cat. #4824
(set of 4)
30 k MWCO Spinfilters Cat. #4935



RESEARCH TO RAPIDS™

Worldwide Headquarters
10165 McKellar Court
San Diego, CA 92121 USA
www.quidel.com

Covered by U.S. Patent Nos. 5,350,855, 5,502,197, 5,527,715, 5,620,861, 5,700,693, 5,700,694, 5,736,344, 5,756,697, 6,121,002 and 5,283,197.

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