



Creatinine

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

The MicroVue Creatinine EIA is offered as a convenience for researchers with no other means to perform the test. Urine creatinine is required to normalize the MicroVue urine resorption assays, DPD, PYD, HP, urine Total Dpd.

Creatinine is a molecule with a molecular weight of 113.1 g/mol. Creatinine is found in muscle tissues and is excreted into the circulation at a constant rate. It is removed from the plasma by globular filtration and excreted into the urine. The MicroVue Creatinine assay is a quantitative, colorimetric assay based on a modified Jaffe method where alkaline picrate forms a colored solution in the presence of creatinine.

Format

- Colorimetric assay based on Jaffe method
- 96-well microplate with reagents sufficient to test 42 samples in duplicate
- Sample type: Urine

Species Reactivity

- Creatinine values from non-human species have not been evaluated with the MicroVue Creatinine EIA

Specimen

- Urine

Assay Steps

- Add 50 μ L diluted Standards, Controls and Samples
- Add 150 μ L Working Color Solution
- Incubate 30 minutes at room temperature (18°C to 28°C).
- Read OD at 490 nm.

