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The MicroVue CICP EIA provides a quantitative measure of CICP (propeptide of type I Collagen) in serum and may be useful as an indicator of collagen production. CICP is also known as PICP.

Format

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

Species Reactivity

- Rabbit, Cynomolgus Macaque, Sheep, Human
- Human cell cultures
- No recognition of Rat, Dog, Goat or Horse

Specimen – Serum

- Serum collected to avoid hemolysis

Assay Steps

- Dilute samples 1:12
- Add 100 μ L Standards, Controls and diluted Samples
- Incubate 120 ± 5 minutes at 18°C to 25°C
- Wash 3 times with 1X Wash Buffer
- Add 100 μ L Rabbit anti-CICP
- Incubate 45-50 minutes at 18°C to 25°C
- Wash 3 times with 1X Wash Buffer
- Add 100 μ L Enzyme Conjugate
- Incubate 45-50 minutes at 18°C to 25°C
- Wash 3 times with 1X Wash Buffer
- Add 100 μ L Working Substrate Solution
- Incubate 30-35 minutes at 18°C to 25°C
- Add 50 μ L Stop Solution
- Measure absorbance at 405 nm

Assay Performance

Method: ELISA

Analyte: Collagen type I C-terminal propeptide

Specimen Volume: Minimum of 25 μ L

Limit of Detection: 0.2 ng/mL

Precision CVs (inter-assay): 5.0%-7.2%

Precision CVs (intra-assay): 5.5%-6.8%

Assay Time: Approx. 5 Hours

Specificity: CICP 100%

MicroVue CICP EIA – Cat. #8003 (CE)
Cat. #8005 (RUO)

Also available:

CICP Controls (set of 4) – Cat. #4818

Mouse Anti-CICP Antibody – Cat. #4817

