

## C-Peptide, 24-Hour Urine

**Explanation:** The following new orderable, referred to LabCorp Burlington, will be available September 12, 2024. **Please note: Fee has been updated**

**Test ID:** FCPEU

### Useful for:

Urine C-peptide is measured when a continuous assessment of B-cell function is desired or frequent blood sampling is not practical (eg, in children). C-peptide excretion in urine has been used to assess pancreatic function in gestational diabetes and in patients with unstable glycemic control in insulin-dependent diabetes mellitus (IDDM).

### Method:

Electrochemiluminescence immunoassay (ECLIA)

### Reference Values:

C-Peptide, Urine: Not Established ng/mL

C-Peptide, Urine 24 hr: 17.2-181.0 ug/24 hr

### Specimen Requirements:

- |                                 |   |
|---------------------------------|---|
| <b>Patient Preparation:</b>     | It is recommended to ask all patients who may be indicated for this test about biotin supplementation. Patients should be cautioned to stop biotin consumption at least 72 hours prior to the collection of a sample.   |
| <b>Container/Tube:</b>          | Plastic urine container   |
| <b>Preferred:</b>               | Clean, plastic 24-hour urine collection container   |
| <b>Specimen Volume:</b>         | 10 mL   |
| <b>Collection Instructions:</b> | <ol style="list-style-type: none"><li>1. Instruct the patient to void at 8 AM and discard the specimen.</li><li>2. Collect all urine including the final specimen voided at the end of the 24-hour collection period (ie, 8 AM the next morning) in a 24-hour urine collection container. pH should be 4 to 7.</li><li>3. Refrigerate specimen during the 24-hour collection.</li><li>4. Aliquot and send 10 mL urine in plastic urine container frozen.</li><li>5. <b>24-Hour collection volume is required.</b></li></ol> |

**Minimum Volume:** 1 mL (Note: this volume does not allow for repeat testing.)

**Specimen Stability Information:**

Specimen Type	Temperature	Time
Urine 24hr	Frozen (preferred)	14 days
	Refrigerated	14 days

**Cautions:**

This test may exhibit interference when sample is collected from a person who is consuming a supplement with a high dose of biotin (also termed as vitamin B7 or B8, vitamin H, or coenzyme R).

It is recommended to ask all patients who may be indicated for this test about biotin supplementation. Patients should be cautioned to stop biotin consumption at least 72 hours prior to the collection of a sample.

**Fee:** \$60.00

**CPT Code:** 84681

**Day(s) Setup:** Monday through Friday

**Report Available:** 4 to 8 days

**Questions:**

Contact MCL Referrals Supervisor Amy Bluhm at 800-533-1710.