



# Laboratory Service Manual

**Lab Dept:** Chemistry

**Test Name:** ACETAMINOPHEN LEVEL

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## ***General Information***

**Lab Order Codes:** ACET

**Synonyms:** Tylenol®, Datril®, Excedrin®, Liquiprin®, Tempra®

**CPT Codes:** 82003 - Acetaminophen

**Test Includes:** Acetaminophen concentration in ug/mL.

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## ***Logistics***

**Test Indications:** Useful for therapeutic drug monitoring and evaluation of acetaminophen toxicity. This commonly used analgesic drug may cause severe hepatic toxicity or death when consumed in overdose quantities.

**Lab Testing Sections:** Chemistry

### **Phone Numbers:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 4 hours, Stat: 1 hour

**Special Instructions:** N/A

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## ***Specimen***

**Specimen Type:** Blood

**Container:** Green top (Li Heparin) tube **preferred**  
Alternate tube: Red top (plain or serum separator) tubes

**Draw Volume:** 0.6 mL blood

**Processed Volume:** 0.2 mL serum/plasma



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<b>Collection:</b>	Routine venipuncture. Mix tubes containing anticoagulant by gentle inversion.
	<b>Ingestion:</b> Specimen should be drawn 4 hours after ingestion for peak toxic level.
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into plastic sample cup. Analyze immediately or store at refrigerated temperatures.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimen

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## *Interpretive*

<b>Reference Range:</b>	Therapeutic concentration: 10-25 ug/mL
<b>Critical Values:</b>	>25 ug/mL
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Enzymatic
<b>References:</b>	Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition  ACTM Flex® reagent cartridge insert sheet PN 717088.001 Issue Date 2008-03-06 Rev. F
<b>Updates:</b>	2/1/2012: Critical value update.