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**Lab Dept:** Chemistry

**Test Name:** DILANTIN, FREE

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***General Information***

**Lab Order Codes:** FDIL

**Synonyms:** Dilantin®; DPH; PHT ;Dilantin, Unbound; Phenytoin, Free

**CPT Codes:** 80186 – Phenytoin; free

**Test Includes:** Free Dilantin reported in ug/mL.

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***Logistics***

**Test Indications:** Useful for therapeutic drug monitoring (TDM).

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** MedTox Laboratories (MedTox Test: 98)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 day

**Special Instructions:** Trough levels are most reproducible.

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***Specimen***

**Specimen Type:** Blood

**Container:** Red top NO GEL tube  
Alternate: Green top NO GEL tube

**Draw Volume:** 9 mL (Minimum: 1.8 mL) blood

**Processed Volume:** 3 mL (Minimum: 0.6 mL) serum/plasma

**Note:** Submission of the minimum volume results in an elevated reporting limit and inability to repeat analysis.

**Collection:** Routine venipuncture

<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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***Interpretive***

<b>Reference Range:</b>	1.00 – 2.00 ug/mL
<b>Critical Values:</b>	>4.00 ug/mL
<b>Limitations:</b>	0.5 ug/mL reporting limit
<b>Methodology:</b>	Ultrafiltration. Immunoassay (IA)
<b>References:</b>	<a href="#">MedTox Laboratories</a> August 2015
<b>Updates:</b>	11/4/2016: Tube update