



Laboratories at Adventist Healthcare White Oak Medical Center, Shady Grove Medical Center and Germantown Emergency Center

Date: October 15, 2020

## **LABORATORY ALERT**

**Subject: High Sensitivity Troponin I**

The Laboratory is informing you of the following test change:

<b>Effective date:</b>	November 12, 2020																	
<b>Test Change:</b>	Current Siemens Troponin I has been discontinued by the manufacturer. Siemens is standardizing to a High Sensitivity Troponin I (TNIH). <b>The new TNIH will be reported in pg/mL in whole numbers.</b>																	
<b>Test Name:</b>	No change in ordering required. <i>(Troponin or Troponin I)</i>																	
<b>Specimen type:</b>	No change in specimen type. <i>(Mint Green Top: Lithium Heparin Plasma)</i>																	
<b>Comparison:</b>	“Current” Troponin I (CTNI)	“New” High Sensitivity Troponin I (TNIH)																
<b>Expected Results:</b>	Reference Range: <0.05 ng/mL 0.051-0.089 ng/mL H (High) >0.09 ng/mL cH (Critical High)	Reference Range: <83 pg/mL 83-100 pg/mL H (High) >100 pg/mL cH (Critical High)																
<b>Critical Value Calls:</b>	First Critical > 0.09 ng/mL  Subsequent Critical Results <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Prior Critical</th> <th>Delta Threshold</th> </tr> </thead> <tbody> <tr> <td>0.10 – 1.00 ng/mL</td> <td>10X prior value</td> </tr> <tr> <td>1.01 – 20.00 ng/mL</td> <td>Increase of 5.00</td> </tr> <tr> <td>20.01 ng/mL - more</td> <td>Increase of 25.00</td> </tr> </tbody> </table>	Prior Critical	Delta Threshold	0.10 – 1.00 ng/mL	10X prior value	1.01 – 20.00 ng/mL	Increase of 5.00	20.01 ng/mL - more	Increase of 25.00	First Critical > 100 pg/mL  Subsequent Critical Results <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Prior Critical</th> <th>Delta Threshold</th> </tr> </thead> <tbody> <tr> <td>101 – 500 pg/mL</td> <td>Value Doubles</td> </tr> <tr> <td>501 – 1000 pg/mL</td> <td>Increase of 250</td> </tr> <tr> <td>1001 pg/mL - more</td> <td>Increase of 1,000</td> </tr> </tbody> </table>	Prior Critical	Delta Threshold	101 – 500 pg/mL	Value Doubles	501 – 1000 pg/mL	Increase of 250	1001 pg/mL - more	Increase of 1,000
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<b>Additional information:</b>	Any physician that would like to see comparison patient data it will be provided at your request. The spreadsheet has multiple tabs: Lab Alert, Critical value changes Combined cutoff data, Male cutoff data, Female cutoff data, Serial Collections. Please email <a href="mailto:rsanluis@adventisthealthcare.com">rsanluis@adventisthealthcare.com</a> .																	
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