

Soft Test ID	Soft Test Name	Modification Type	Sites applied	Before Mod.	After Mod.																																																																				
ACET	Acetaminophen Level	UOM	All Sites	mg/L	ug/mL																																																																				
		Ref. Range	All Sites	10 - 20 Panic Value: >150	10 - 30 Panic Value: >150																																																																				
		Test Comment	All Sites	Reference range for Acetaminophen (measured four hours after last dose): Therapeutic..... 10-20 mg/L Toxic..... >150 mg/L	Reference range for Acetaminophen (measured four hours after last dose): Therapeutic..... 10-30 ug/mL Toxic..... >150 ug/mL																																																																				
		Specimen Type	UNH	GELSEP	PST																																																																				
		ORC Text	All Sites	Delaware campuses: 5 mL Green Top Gel Separator - Adult 0.5 mL Green microtainer - Pediatric/Neonate Cecil campus: 5 mL SST Gel - Adult 0.5 mL Green microtainer - Pediatric/Neonate	5 mL Green Top Gel Separator - Adult 0.5 mL Green microtainer - Pediatric/Neonate																																																																				
ALB	Albumin	Ref. Range	All Sites	month 1: 2.9 - 5.5 month 4: 2.8 - 5.0 year 1: 3.0 - 5.1 year >2: 3.8 - 5.1 Panic value: <1.5	<table><tr><th>Age</th><th>Range (g/dL)</th></tr><tr><td>Children¹⁰</td><td></td></tr><tr><td>0 - 14 days</td><td>2.8 - 4.1</td></tr><tr><td>15 days - 364 days</td><td>2.5 - 4.6</td></tr><tr><td>1 year - 17 years</td><td>3.5 - 5.0</td></tr><tr><td>Adults (≥18 years)</td><td>3.8 - 5.1</td></tr></table> Panic value: <1.5	Age	Range (g/dL)	Children ¹⁰		0 - 14 days	2.8 - 4.1	15 days - 364 days	2.5 - 4.6	1 year - 17 years	3.5 - 5.0	Adults (≥18 years)	3.8 - 5.1																																																								
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ALC	Alcohol Blood Level	Test Comment	All Sites	Reference range for serum alcohol: Normal..... Negative Intoxicated..... Approx. 100 mg/dL Fatal..... 500-800 mg/dL To convert serum alcohol to whole blood alcohol as percent w/v, divide result by 1250. This is an approximate conversion.	Reference range for serum alcohol: Normal..... <10 mg/dL Intoxicated..... Approx. 100 mg/dL Fatal..... 500-800 mg/dL To convert serum alcohol to whole blood alcohol as percent w/v, divide result by 1250. This is an approximate conversion.																																																																				
		Specimen Type	UNH	GELSEP	PST																																																																				
ALT	ALT	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>7</td><td>52</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH	Year	200	0	0	7	52	0	0	<table><tr><th>Age</th><th>Range (U/L)</th></tr><tr><td>Adult Male</td><td>0 - 45</td></tr><tr><td>Adult Female</td><td>0 - 34</td></tr></table>	Age	Range (U/L)	Adult Male	0 - 45	Adult Female	0 - 34																																														
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AMIKR	Amikacin Random Level	UOM	CHR	mcg/mL	ug/mL																																																																				
AMIKP	Amikacin Peak Level	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>1</td><td>0.0</td><td>0.0</td><td>20.0</td><td>30.0</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>15.0</td><td>30.0</td><td>0.0</td><td>0.0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH	Year	1	0.0	0.0	20.0	30.0	0.0	0.0	Year	200	0.0	0.0	15.0	30.0	0.0	0.0	<table><tr><td>Infants, 0 - 364 days</td><td>20 - 30 µg/mL</td></tr><tr><td>≥ 1 year</td><td>15 - 30 µg/mL</td></tr></table>	Infants, 0 - 364 days	20 - 30 µg/mL	≥ 1 year	15 - 30 µg/mL																																								
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UOM	CHR	mcg/mL	ug/mL																																																																						
Test Comment	CHR	Amikacin Peak Extended Interval Adult Reference Range: 40.0-60.0 mcg/mL	Amikacin Peak Extended Interval Adult Reference Range: 40.0 - 60.0 ug/mL *NEW LIS comment for peak AND trough in the age group >1 year to adult: "Alternative peak and trough goals are indicated for nontuberculous mycobacterial (NTM) infections."																																																																						
AMIKT	Amikacin Trough Level	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>1</td><td>0.0</td><td>0.0</td><td>2.5</td><td>5.0</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>0.0</td><td>3.9</td><td>0.0</td><td>0.0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH	Year	1	0.0	0.0	2.5	5.0	0.0	0.0	Year	200	0.0	0.0	0.0	3.9	0.0	0.0	<table><tr><td>Infants, 0 - 364 days</td><td>0.0 - 5.0 µg/mL</td></tr><tr><td>≥ 1 year</td><td>0.0 - 3.9 µg/mL</td></tr></table>	Infants, 0 - 364 days	0.0 - 5.0 µg/mL	≥ 1 year	0.0 - 3.9 µg/mL																																								
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Test Comment	CHR	Amikacin Trough Extended Interval Adult Reference Range: <2.5 mcg/mL	Amikacin Trough Extended Interval Adult Reference Range: <2.5 ug/mL *NEW LIS comment for peak AND trough in the age group >1 year to adult: "Alternative peak and trough goals are indicated for nontuberculous mycobacterial (NTM) infections."																																																																						
AMON	Ammonia Level	Ref. Range	All Sites	16 - 53 umol/L	18 - 72 umol/L																																																																				
		UOM	All Sites	mcmol/L	umol/L																																																																				
		Specimen Type	UNH	GRNNAHEP	LAV																																																																				
AMY	Amylase	Ref. Range	CHR	29 - 103 U/L	<table><tr><th>Age</th><th>Range (U/L)</th></tr><tr><td>0 - 13 days</td><td>5 - 65</td></tr><tr><td>≥ 14 days - 70 years</td><td>25 - 125</td></tr><tr><td>≥ 71 years</td><td>20 - 160</td></tr></table>	Age	Range (U/L)	0 - 13 days	5 - 65	≥ 14 days - 70 years	25 - 125	≥ 71 years	20 - 160																																																												
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AST	AST	Ref. Range	All Sites	11 - 39 U/L	11 - 34 U/L																																																																				
BOHB	Beta Hydroxybutyrate	Soft Workstation	CHR	Manual Chemistry	Automated Chemistry																																																																				
		Specimen Type	WLM		*added UNH to send testing to CHR*																																																																				
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C3	C3 Complement Component	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Week</td><td>1</td><td>0</td><td>0</td><td>53</td><td>116</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>1</td><td>0</td><td>0</td><td>53</td><td>124</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>4</td><td>0</td><td>0</td><td>62</td><td>150</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>6</td><td>0</td><td>0</td><td>64</td><td>170</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>1</td><td>0</td><td>0</td><td>73</td><td>177</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>87</td><td>200</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH	Week	1	0	0	53	116	0	0	Month	1	0	0	53	124	0	0	Month	4	0	0	62	150	0	0	Month	6	0	0	64	170	0	0	Year	1	0	0	73	177	0	0	Year	200	0	0	87	200	0	0	<table><tr><th colspan="2">Serum/Plasma¹²</th></tr><tr><th>Age</th><th>Range* (mg/dL)</th></tr><tr><td>0 - 14 years (male)</td><td>80 - 170</td></tr><tr><td>0 - 14 years (female)</td><td>82 - 173</td></tr><tr><td>≥ 15 years (male)</td><td>82 - 185</td></tr><tr><td>≥ 15 years (female)</td><td>83 - 193</td></tr></table>	Serum/Plasma ¹²		Age	Range* (mg/dL)	0 - 14 years (male)	80 - 170	0 - 14 years (female)	82 - 173	≥ 15 years (male)	82 - 185	≥ 15 years (female)	83 - 193
Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH																																																																		
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C4	C4 Complement Component	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Week</td><td>1</td><td>0</td><td>0</td><td>9</td><td>30</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>1</td><td>0</td><td>0</td><td>9</td><td>33</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>4</td><td>0</td><td>0</td><td>9</td><td>37</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>6</td><td>0</td><td>0</td><td>9</td><td>59</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>1</td><td>0</td><td>0</td><td>16</td><td>59</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>19</td><td>52</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH	Week	1	0	0	9	30	0	0	Month	1	0	0	9	33	0	0	Month	4	0	0	9	37	0	0	Month	6	0	0	9	59	0	0	Year	1	0	0	16	59	0	0	Year	200	0	0	19	52	0	0	<table><tr><th>Serum/Plasma¹¹</th><th>Range* (mg/dL)</th></tr><tr><td>0 - 14 years (male)</td><td>14 - 44</td></tr><tr><td>0 - 14 years (female)</td><td>13 - 46</td></tr><tr><td>≥ 15 years (male)</td><td>15 - 53</td></tr><tr><td>≥ 15 years (female)</td><td>15 - 57</td></tr></table>	Serum/Plasma ¹¹	Range* (mg/dL)	0 - 14 years (male)	14 - 44	0 - 14 years (female)	13 - 46	≥ 15 years (male)	15 - 53	≥ 15 years (female)	15 - 57																													
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CARBA	Carbamazepine	UOM	CHR UNH WLM	mg/L	ug/mL																																																																																															
		Test Comment	CHR UNH WLM	Carbamazepine therapeutic range: 8-12 mg/L (single drug regimen) 4-8 mg/L (multiple drug regimen) Toxic: >20 mg/L Toxicity is usually clinically evident. Serious toxicity is likely at twice the upper therapeutic level.	Carbamazepine therapeutic range: 8-12 ug/mL (single drug regimen) 4-8 ug/mL (multiple drug regimen) Toxic: > 20 ug/mL Toxicity is usually clinically evident. Serious toxicity is likely at twice the upper therapeutic level.																																																																																															
CHOL	Cholesterol	Ref. Range	CHR UNH WLM	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>0</td><td>199</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH	Year	200	0	0	0	199	0	0	<table><tr><th>0 - 17 years (0-169)</th><th>Range (mg/dL)</th></tr><tr><td>Desirable</td><td><170</td></tr><tr><td>Borderline</td><td>170 - 199</td></tr><tr><td>High</td><td>≥ 200</td></tr><tr><th>≥ 18 years (0 - 199)</th><th>Range (mg/dL)</th></tr><tr><td>Desirable</td><td><200</td></tr><tr><td>Borderline</td><td>200 - 239</td></tr><tr><td>High</td><td>≥ 240</td></tr></table>	0 - 17 years (0-169)	Range (mg/dL)	Desirable	<170	Borderline	170 - 199	High	≥ 200	≥ 18 years (0 - 199)	Range (mg/dL)	Desirable	<200	Borderline	200 - 239	High	≥ 240																																																															
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Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH																																																																																											
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CRP	C-Reactive Protein	Ref. Range	All Sites	0.0 - 8.0	0.0 - 5.0																																																																																															
		Soft Workstation	UNH	N/A	added UNH chem automated workstation																																																																																															
CRPHS	CRP High Sensitivity	Ref. Range	CHR	0.00 - 3.00	0.00 - 1.00																																																																																															
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DIG	Digoxin Level	Test Comment	All Sites	Therapeutic: 0.5-1.2 mcg/L Note: DIGOXIN RESULTS ARE UNRELIABLE AFTER THE ADMINISTRATION OF DIGIBIND. A serum concentration \geq 1.2 mcg/L may be associated with increased all-cause mortality in patients with atrial fibrillation (regardless of heart failure). The findings of a post-hoc analysis of the Dig trial suggest that the optimal steady-state serum digoxin concentration for patients with CHF may be 0.5-0.8 mcg/L. Risk of toxicity increases with serum concentrations \geq 2 mcg/L, but toxicity can occur at any time and may occur at lower levels.	Therapeutic: 0.50 - 1.20 ng/mL Note: DIGOXIN RESULTS ARE UNRELIABLE AFTER THE ADMINISTRATION OF DIGIBIND. A serum concentration \geq 1.2 ng/mL may be associated with increased all-cause mortality in patients with atrial fibrillation (regardless of heart failure). The findings of a post-hoc analysis of the Dig trial suggest that the optimal steady-state serum digoxin concentration for patients with CHF may be 0.5-0.8 ng/mL. Risk of toxicity increases with serum concentrations \geq 2.5 ng/mL, but toxicity can occur at any time and may occur at lower levels.																																																																																		
		ORC Text	All Sites	Draw just prior to next dose. **After administration of Digibind, digoxin levels are unreliable.** Delaware campuses: 5 mL Green Top Gel Separator Cecil campus: 5 mL SST Gel	Draw just prior to next dose. **After administration of Digibind, digoxin levels are unreliable.** 5 mL Green Top Gel Separator																																																																																		
GENTP	Gentamicin Peak Level	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>1</td><td>0.0</td><td>0.0</td><td>5.0</td><td>12.0</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>4.0</td><td>10.0</td><td>0.0</td><td>0.0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Year	1	0.0	0.0	5.0	12.0	0.0	0.0	Year	200	0.0	0.0	4.0	10.0	0.0	0.0	<table><tr><td>Infants, 0 - 364 days</td><td>5.0 - 12.0 μg/mL</td></tr><tr><td>\geq 1 year</td><td>3.0 - 10.0 μg/mL</td></tr></table>	Infants, 0 - 364 days	5.0 - 12.0 μ g/mL	\geq 1 year	3.0 - 10.0 μ g/mL																																																						
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GENTT	Gentamicin Trough Level	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>1</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.9</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>0.0</td><td>1.4</td><td>0.0</td><td>0.0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Year	1	0.0	0.0	0.0	0.9	0.0	0.0	Year	200	0.0	0.0	0.0	1.4	0.0	0.0	<table><tr><td>Infants, 0 - 364 days</td><td>0.0 - 0.9 μg/mL</td></tr><tr><td>\geq 1 year</td><td>0.0 - 1.4 μg/mL</td></tr></table>	Infants, 0 - 364 days	0.0 - 0.9 μ g/mL	\geq 1 year	0.0 - 1.4 μ g/mL																																																						
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GGT	GGTP	Ref. Range	CHR	Day 3: 0 - 157 Month 6: 0 - 84 Year 15: 0 - 30 Year \geq 16: 9 - 64	<table><tr><td>Female</td><td>< 38</td></tr><tr><td>Male</td><td>< 55</td></tr></table>	Female	< 38	Male	< 55																																																																														
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GLU50	Glucose 1hr Post 50gm	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>140</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Year	200	39	401	70	140	0	0	<table><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>139</td><td>0</td><td>0</td></tr></table>	Year	200	39	401	70	139	0	0																																																										
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GLUG1	Glucose Gestational 1hr	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>50</td><td>180</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Year	200	39	401	50	180	0	0	<table><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>179</td><td>0</td><td>0</td></tr></table>	Year	200	39	401	70	179	0	0																																																										
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GLUPP	Glucose 2hr PP	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>120</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Year	200	39	401	70	120	0	0	<table><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>139</td><td>0</td><td>0</td></tr></table>	Year	200	39	401	70	139	0	0																																																										
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GLUG2	Glucose Tolerance 2 hr	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>50</td><td>155</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Year	200	39	401	50	155	0	0	<table><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>155</td><td>0</td><td>0</td></tr></table>	Year	200	39	401	70	155	0	0																																																										
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GLUG3	Glucose Tolerance 3 hr	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>50</td><td>140</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Year	200	39	401	50	140	0	0	<table><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>140</td><td>0</td><td>0</td></tr></table>	Year	200	39	401	70	140	0	0																																																										
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GLUFG	Glucose Fasting Gest	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>95</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Year	200	39	401	70	95	0	0	<table><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>94</td><td>0</td><td>0</td></tr></table>	Year	200	39	401	70	94	0	0																																																										
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GLUF	Glucose Fasting	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th></tr><tr><td>Day</td><td>3</td><td>39</td><td>401</td><td>40</td><td>100</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>12</td><td>39</td><td>401</td><td>60</td><td>105</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>70</td><td>99</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Day	3	39	401	40	100	0	0	Year	12	39	401	60	105	0	0	Year	200	39	401	70	99	0	0	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th><th>AbsrdL</th><th>AbsrdH</th><th>Exp Date</th><th>Exp Time</th></tr><tr><td>Day</td><td>1</td><td>39</td><td>401</td><td>40</td><td>60</td><td>0</td><td>0</td><td></td><td></td></tr><tr><td>Month</td><td>11</td><td>39</td><td>401</td><td>50</td><td>80</td><td>0</td><td>0</td><td></td><td></td></tr><tr><td>Year</td><td>17</td><td>39</td><td>401</td><td>60</td><td>100</td><td>0</td><td>0</td><td></td><td></td></tr><tr><td>Year</td><td>200</td><td>39</td><td>401</td><td>74</td><td>99</td><td>0</td><td>0</td><td></td><td></td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	AbsrdL	AbsrdH	Exp Date	Exp Time	Day	1	39	401	40	60	0	0			Month	11	39	401	50	80	0	0			Year	17	39	401	60	100	0	0			Year	200	39	401	74	99	0	0		
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GLU	Glucose	Ref. Range	All Sites	Day 3: 40 - 100 Year 12: 60 - 105 Year \leq 13: 70 - 99 Panic values: $<$ 40 & $>$ 400	<table><tr><th>Fasting</th><th>Range (mg/dL)</th><th>Low: $<$ 40</th></tr><tr><td>0 - 1 day</td><td>40 - 60</td><td></td></tr><tr><td>2 - 364 days</td><td>50 - 80</td><td></td></tr><tr><td>1 - 17 years</td><td>60 - 100</td><td>High: $>$ 400</td></tr><tr><td>\geq 18 years</td><td>74 - 99</td><td></td></tr></table>	Fasting	Range (mg/dL)	Low: $<$ 40	0 - 1 day	40 - 60		2 - 364 days	50 - 80		1 - 17 years	60 - 100	High: $>$ 400	\geq 18 years	74 - 99																																																																				
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UGLUR	UR Glucose Random	Ref. Range	CHR	0 - 30 mg/dL	<table><tr><td>Random</td><td>1 - 15 mg/dL</td></tr></table>	Random	1 - 15 mg/dL																																																																																
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CGLU	CSF Glucose	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>Panich</th><th>NormL</th><th>NormH</th></tr><tr><td>Week</td><td>2</td><td>39</td><td>120</td><td>34</td><td>119</td></tr><tr><td>Year</td><td>200</td><td>39</td><td>120</td><td>40</td><td>70</td></tr></table>	Age Unit	Age	PanicL	Panich	NormL	NormH	Week	2	39	120	34	119	Year	200	39	120	40	70	<table><tr><th>Age</th><th>Range (mg/dL)</th><th>Low: $<$ 40</th></tr><tr><td>0 - 17 years</td><td>60 - 80</td><td></td></tr><tr><td>\geq 18 years</td><td>40 - 70</td><td>High: $>$ 120</td></tr></table>	Age	Range (mg/dL)	Low: $<$ 40	0 - 17 years	60 - 80		\geq 18 years	40 - 70	High: $>$ 120																																																							
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IRON	Iron	Ref. Range	CHR	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Month</td><td>4</td><td>0</td><td>0</td><td>110</td><td>270</td></tr><tr><td>Year</td><td>3</td><td>0</td><td>0</td><td>30</td><td>70</td></tr><tr><td>Year</td><td>10</td><td>0</td><td>0</td><td>53</td><td>119</td></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>40</td><td>150</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Month	4	0	0	110	270	Year	3	0	0	30	70	Year	10	0	0	53	119	Year	200	0	0	40	150	<table><tr><td>Age</td><td>Range (ug/dL)</td></tr><tr><td colspan="2">Pediatric¹⁴</td></tr><tr><td>0 - 13 days</td><td>16 - 128</td></tr><tr><td>14 days to 17 years, Female</td><td>20 - 162</td></tr><tr><td>14 days to 17 years, Male</td><td>31 - 168</td></tr><tr><td colspan="2">Adult¹⁵</td></tr><tr><td>≥ 18 years, Female</td><td>50 - 170</td></tr><tr><td>≥ 18 years, Male</td><td>65 - 175</td></tr></table>	Age	Range (ug/dL)	Pediatric ¹⁴		0 - 13 days	16 - 128	14 days to 17 years, Female	20 - 162	14 days to 17 years, Male	31 - 168	Adult ¹⁵		≥ 18 years, Female	50 - 170	≥ 18 years, Male	65 - 175																																												
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			HFG	Adult: 107 - 270																																																																																											
			WLM																																																																																												
LIP	Lipase	Ref. Range	All Sites	11 - 82 U/L	0 - 60 U/L																																																																																										
LI	Lithium Level	Ref. Range	All Sites	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>2.1</td><td>0.5</td><td>1.6</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0.0	2.1	0.5	1.6	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>1.6</td><td>0.6</td><td>1.2</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0.0	1.6	0.6	1.2																																																																		
		Age Unit	Age	PanicL	PanicH	NormL	NormH																																																																																								
Year	200	0.0	2.1	0.5	1.6																																																																																										
Age Unit	Age	PanicL	PanicH	NormL	NormH																																																																																										
Year	200	0.0	1.6	0.6	1.2																																																																																										
		Test Comment	All Sites	Reference range for Lithium: Therapeutic..... 0.5-1.6 mmol/L Toxic.....>2.0 mmol/L	Reference range for Lithium: Therapeutic..... 0.6-1.2 mmol/L Toxic.....>1.5 mmol/L																																																																																										
MTX	Methotrexate	UOM	CHR	mcmol/L	umol/L																																																																																										
MG	Magnesium	Ref. Range	All Sites	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Week</td><td>1</td><td>1.0</td><td>4.9</td><td>1.4</td><td>2.3</td></tr><tr><td>Year</td><td>12</td><td>1.0</td><td>4.9</td><td>1.7</td><td>2.3</td></tr><tr><td>Year</td><td>200</td><td>1.0</td><td>4.9</td><td>1.7</td><td>2.4</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Week	1	1.0	4.9	1.4	2.3	Year	12	1.0	4.9	1.7	2.3	Year	200	1.0	4.9	1.7	2.4	<table><tr><td>0 - 20 years</td><td>1.5 - 2.3</td><td rowspan="2">≤ 1.0</td></tr><tr><td>≥ 21 years</td><td>1.6 - 2.6</td></tr></table>	0 - 20 years	1.5 - 2.3	≤ 1.0	≥ 21 years	1.6 - 2.6																																																													
Age Unit	Age	PanicL	PanicH	NormL	NormH																																																																																										
Week	1	1.0	4.9	1.4	2.3																																																																																										
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UMGC	UR Magnesium 24hr Calc	Ref. Range	CHR	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>50</td><td>160</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	50	160	<table><tr><td>24-hour</td><td>73 - 122</td></tr></table>	24-hour	73 - 122																																																																												
Age Unit	Age	PanicL	PanicH	NormL	NormH																																																																																										
Year	200	0	0	50	160																																																																																										
24-hour	73 - 122																																																																																														
PAB	PreAlbumin	Ref. Range	CHR	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td><td>AbsrdL</td><td>AbsrdH</td></tr><tr><td>Week</td><td>6</td><td>0</td><td>0</td><td>9</td><td>25</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>3</td><td>0</td><td>0</td><td>16</td><td>20</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>6</td><td>0</td><td>0</td><td>16</td><td>26</td><td>0</td><td>0</td></tr><tr><td>Month</td><td>10</td><td>0</td><td>0</td><td>16</td><td>24</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>2</td><td>0</td><td>0</td><td>14</td><td>22</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>13</td><td>0</td><td>0</td><td>14</td><td>23</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>17</td><td>42</td><td>0</td><td>0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH	Week	6	0	0	9	25	0	0	Month	3	0	0	16	20	0	0	Month	6	0	0	16	26	0	0	Month	10	0	0	16	24	0	0	Year	2	0	0	14	22	0	0	Year	13	0	0	14	23	0	0	Year	200	0	0	17	42	0	0	<table><tr><td>Serum¹²</td><td>Range* (mg/dL)</td></tr><tr><td colspan="2">0 - 364 days</td></tr><tr><td>Male</td><td>7 - 25</td></tr><tr><td>Female</td><td>8 - 25</td></tr><tr><td colspan="2">1 - 12 years</td></tr><tr><td>Male</td><td>11 - 34</td></tr><tr><td>Female</td><td>12 - 30</td></tr><tr><td colspan="2">13 - 60 years</td></tr><tr><td>Male</td><td>18 - 45</td></tr><tr><td>Female</td><td>16 - 38</td></tr><tr><td colspan="2">≥ 61 years</td></tr><tr><td>Male</td><td>16 - 42</td></tr><tr><td>Female</td><td>14 - 37</td></tr></table>	Serum ¹²	Range* (mg/dL)	0 - 364 days		Male	7 - 25	Female	8 - 25	1 - 12 years		Male	11 - 34	Female	12 - 30	13 - 60 years		Male	18 - 45	Female	16 - 38	≥ 61 years		Male	16 - 42	Female	14 - 37
			Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH																																																																																					
Week	6	0	0	9	25	0	0																																																																																								
Month	3	0	0	16	20	0	0																																																																																								
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			WLM																																																																																												
PHENO	Phenobarbital Level	Test Comment	CHR	Reference range for Phenobarbital Therapeutic..... 15-40 mg/L Toxic.....>60 mg/L	Reference range for Phenobarbital Therapeutic..... 15-40 ug/mL Toxic.....>60 ug/mL																																																																																										
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		UOM	CHR	mg/L	ug/mL																																																																																										
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Specimen Type	UNH	GELSEP	PST																																																																																												
PHOS	Phosphorus	Ref. Range	All Sites	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td><td>AbsrdL</td><td>AbsrdH</td></tr><tr><td>Week</td><td>2</td><td>1.0</td><td>99.0</td><td>4.2</td><td>8.6</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>1</td><td>1.0</td><td>99.0</td><td>4.0</td><td>6.8</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>14</td><td>1.0</td><td>99.0</td><td>3.7</td><td>5.7</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>200</td><td>1.0</td><td>99.0</td><td>2.5</td><td>4.5</td><td>0.0</td><td>0.0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH	Week	2	1.0	99.0	4.2	8.6	0.0	0.0	Year	1	1.0	99.0	4.0	6.8	0.0	0.0	Year	14	1.0	99.0	3.7	5.7	0.0	0.0	Year	200	1.0	99.0	2.5	4.5	0.0	0.0	<table><tr><td>0 - 364 days</td><td>4.0 - 7.0</td><td rowspan="2">≤ 1.0</td></tr><tr><td>≥ 1 year</td><td>2.5 - 4.5</td></tr></table>	0 - 364 days	4.0 - 7.0	≤ 1.0	≥ 1 year	2.5 - 4.5																																													
Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsrdL	AbsrdH																																																																																								
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Year	1	1.0	99.0	4.0	6.8	0.0	0.0																																																																																								
Year	14	1.0	99.0	3.7	5.7	0.0	0.0																																																																																								
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0 - 364 days	4.0 - 7.0	≤ 1.0																																																																																													
≥ 1 year	2.5 - 4.5																																																																																														
UPHOR	UR Phosphorus Random	Ref. Range	CHR	N/A	<table><tr><td>Random (adult males)</td><td>5 - 189 mg/dL</td></tr><tr><td>Random (adult females)</td><td>7 - 148 mg/dL</td></tr></table>	Random (adult males)	5 - 189 mg/dL	Random (adult females)	7 - 148 mg/dL																																																																																						
Random (adult males)	5 - 189 mg/dL																																																																																														
Random (adult females)	7 - 148 mg/dL																																																																																														
			UNH																																																																																												
UPHO1	UR Phos 24hr Measured	Ref. Range	CHR	N/A	<table><tr><td>Random (adult males)</td><td>5 - 189 mg/dL</td></tr><tr><td>Random (adult females)</td><td>7 - 148 mg/dL</td></tr></table>	Random (adult males)	5 - 189 mg/dL	Random (adult females)	7 - 148 mg/dL																																																																																						
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Random (adult females)	7 - 148 mg/dL																																																																																														
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PTN	Phenytoin Level	UOM	All Sites	mg/L	ug/mL																																																																																										
		Test Comment	All Sites	Adult reference range for Phenytoin: Therapeutic..... 10-20 mg/L Toxic.....>25 mg/L Phenytoin test results are skewed in patients with low albumin. A "corrected serum phenytoin calculation" should be performed and the patient dosage adjusted, as appropriate. Go to the CCHS online Formulary > Calculations > "Phenytoin, Corrected Serum" for calculation assistance. CCHS pharmacists are also available to assist you.	Adult reference range for Phenytoin: Therapeutic..... 10-20 ug/mL Toxic.....>30 ug/mL Phenytoin test results are skewed in patients with low albumin. A "corrected serum phenytoin calculation" should be performed and the patient dosage adjusted, as appropriate. Go to the CCHS online Formulary > Calculations > "Phenytoin, Corrected Serum" for calculation assistance. CCHS pharmacists are also available to assist you.																																																																																										
K	Potassium	Ref. Range	All Sites	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>2.7</td><td>6.3</td><td>3.5</td><td>5.0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	2.7	6.3	3.5	5.0	<table><tr><td>0 - 47 hours</td><td>3.0 - 6.0</td></tr><tr><td>2 - 13 days</td><td>3.7 - 5.9</td></tr><tr><td>14 days - 364 days</td><td>4.1 - 5.3</td></tr><tr><td>1 - 17 years</td><td>3.4 - 4.7</td></tr><tr><td>≥ 18 years</td><td>3.5 - 5.0</td></tr></table>	0 - 47 hours	3.0 - 6.0	2 - 13 days	3.7 - 5.9	14 days - 364 days	4.1 - 5.3	1 - 17 years	3.4 - 4.7	≥ 18 years	3.5 - 5.0																																																																				
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UKC	UR Potassium 24hr Calc	Ref. Range	CHR	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>25</td><td>120</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	25	120	<table><tr><td>0 to 10 years (Male)</td><td>17 - 54</td></tr><tr><td>0 to 10 years (Female)</td><td>8 - 37</td></tr><tr><td>11 to 14 years (Male)</td><td>22 - 57</td></tr><tr><td>11 to 14 years (Female)</td><td>18 - 58</td></tr><tr><td>≥ 15 years</td><td>25 - 125</td></tr></table>	0 to 10 years (Male)	17 - 54	0 to 10 years (Female)	8 - 37	11 to 14 years (Male)	22 - 57	11 to 14 years (Female)	18 - 58	≥ 15 years	25 - 125																																																																				
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Year	200	0	0	25	120																																																																																										
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			UNH																																																																																												
			WLM																																																																																												
NA	Sodium	Ref. Range	All Sites	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>119</td><td>161</td><td>136</td><td>146</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	119	161	136	146	<table><tr><td>0 - 47 hours</td><td>128 - 148</td><td>Low: < 120</td></tr><tr><td>2 - 13 days</td><td>133 - 146</td><td rowspan="2">High: > 160</td></tr><tr><td>≥ 14 days</td><td>136 - 145</td></tr></table>	0 - 47 hours	128 - 148	Low: < 120	2 - 13 days	133 - 146	High: > 160	≥ 14 days	136 - 145																																																																						
Age Unit	Age	PanicL	PanicH	NormL	NormH																																																																																										
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UNAC	UR Sodium 24hr Calc	Ref. Range	CHR	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>40</td><td>220</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	40	220	<table><tr><td>0 to 10 years (Male)</td><td>41 - 115</td></tr><tr><td>0 to 10 years (Female)</td><td>20 - 69</td></tr><tr><td>11 to 14 years (Male)</td><td>63 - 177</td></tr><tr><td>11 to 14 years (Female)</td><td>48 - 168</td></tr><tr><td>≥ 15 years (Male)</td><td>40 - 220</td></tr><tr><td>≥ 15 years (Female)</td><td>27 - 287</td></tr></table>	0 to 10 years (Male)	41 - 115	0 to 10 years (Female)	20 - 69	11 to 14 years (Male)	63 - 177	11 to 14 years (Female)	48 - 168	≥ 15 years (Male)	40 - 220	≥ 15 years (Female)	27 - 287																																																																		
Age Unit	Age	PanicL	PanicH	NormL	NormH																																																																																										
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SALIC	Salicylate Level	Ref. Range	UNH	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>30.0</td><td>2.8</td><td>20.0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0.0	30.0	2.8	20.0	<table><tr><td>Age Unit</td><td>Age</td><td>PanicL</td><td>PanicH</td><td>NormL</td><td>NormH</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>30.0</td><td>15.0</td><td>25.0</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0.0	30.0	15.0	25.0																																																																		
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Year	200	0.0	30.0	15.0	25.0																																																																																										

		Specimen Type	UNH	GELSEP		PST																																																																	
THE	Theophylline Level	UOM	CHR	mg/L		ug/mL																																																																	
			UNH																																																																				
			WLM																																																																				
		Test Comment	CHR	Reference range for Theophylline in serum: Therapeutic..... 10-20 mg/L				Reference range for Theophylline in serum: Therapeutic..... 10-20 ug/mL																																																															
			WLM	Pediatric: Asthma..... 10-20 mg/L Neonatal apnea..... 5-10 mg/L				Pediatric: Asthma..... 10-20 ug/mL Neonatal apnea..... 5-10 ug/mL																																																															
			UNH	Toxic..... >25 mg/L				Toxic..... = 1 day: >15 ug/mL Toxic..... > 1 day: >25 ug/mL																																																															
		Ref. Range		<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Day</td><td>1</td><td>0.0</td><td>15.1</td><td>5.0</td><td>10.0</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>25.1</td><td>10.0</td><td>20.0</td></tr></table>				Age Unit	Age	PanicL	PanicH	NormL	NormH	Day	1	0.0	15.1	5.0	10.0	Year	200	0.0	25.1	10.0	20.0	<table><tr><th>Serum/Plasma</th><th>Range (ug/mL)</th><th></th></tr><tr><td>Therapeutic Range</td><td>10.0 – 20.0</td><td>> 1 day: > 25.0</td></tr><tr><td>Pediatric</td><td></td><td></td></tr><tr><td>Asthma</td><td>10.0 – 20.0</td><td>≤ 1 day: > 15.0</td></tr><tr><td>Neonatal Apnea</td><td>5.0 – 10.0</td><td></td></tr></table>		Serum/Plasma	Range (ug/mL)		Therapeutic Range	10.0 – 20.0	> 1 day: > 25.0	Pediatric			Asthma	10.0 – 20.0	≤ 1 day: > 15.0	Neonatal Apnea	5.0 – 10.0																														
			Age Unit	Age	PanicL	PanicH	NormL	NormH																																																															
			Day	1	0.0	15.1	5.0	10.0																																																															
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	CHR																																																																						
	UNH																																																																						
	WLM																																																																						
TOBRP	Tobramycin Peak Level	Specimen Type	UNH	GELSEP		PST																																																																	
		UOM	CHR	mcg/mL		ug/mL																																																																	
			WLM																																																																				
		Test Comment	CHR	Tobramycin Peak Extended Interval Adult Reference Range: 20.0-30.0 mcg/mL				Tobramycin Peak extended interval Adult: 20 - 30 ug/mL *NEW LIS comment for peak AND trough in the age group >1 year to adult: "Alternative peak and trough goals are indicated for infections in cystic fibrosis patients."																																																															
TOBRT	Tobramycin Trough Level	UOM	CHR	mcg/mL		ug/mL																																																																	
			WLM																																																																				
		Test Comment	CHR	Tobramycin Trough Extended Interval Adult Reference Range: 0.0-0.5 mcg/mL				Alternative peak and trough goals are indicated for infections in cystic fibrosis patients.																																																															
			WLM																																																																				
TOBRR	Tobramycin Random Level	UOM	CHR	mcg/mL		ug/mL																																																																	
			WLM																																																																				
		Test Comment	CHR	For interpretation purposes Peak and Trough Levels should be ordered.				test comment expired																																																															
			WLM																																																																				
TP	Total Protein	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th><th>AbsdL</th><th>AbsdH</th></tr><tr><td>Day</td><td>1</td><td>0.0</td><td>0.0</td><td>5.1</td><td>7.9</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>2</td><td>0.0</td><td>0.0</td><td>5.3</td><td>7.5</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>5</td><td>0.0</td><td>0.0</td><td>5.7</td><td>7.6</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>10</td><td>0.0</td><td>0.0</td><td>5.7</td><td>7.7</td><td>0.0</td><td>0.0</td></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>6.1</td><td>8.3</td><td>0.0</td><td>0.0</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsdL	AbsdH	Day	1	0.0	0.0	5.1	7.9	0.0	0.0	Year	2	0.0	0.0	5.3	7.5	0.0	0.0	Year	5	0.0	0.0	5.7	7.6	0.0	0.0	Year	10	0.0	0.0	5.7	7.7	0.0	0.0	Year	200	0.0	0.0	6.1	8.3	0.0	0.0	<table><tr><th>Serum</th><th>Range (g/dL)</th></tr><tr><td>0 – 6 days</td><td>4.6 – 7.0</td></tr><tr><td>7 days – 6 months</td><td>4.4 – 7.6</td></tr><tr><td>7 months – 11 months</td><td>5.1 – 7.3</td></tr><tr><td>1 – 2 years</td><td>5.6 – 7.5</td></tr><tr><td>≥ 3 years</td><td>6.0 – 8.0</td></tr></table>		Serum	Range (g/dL)	0 – 6 days	4.6 – 7.0	7 days – 6 months	4.4 – 7.6	7 months – 11 months	5.1 – 7.3	1 – 2 years	5.6 – 7.5	≥ 3 years	6.0 – 8.0
				Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsdL	AbsdH																																																												
Day	1	0.0	0.0	5.1	7.9	0.0	0.0																																																																
Year	2	0.0	0.0	5.3	7.5	0.0	0.0																																																																
Year	5	0.0	0.0	5.7	7.6	0.0	0.0																																																																
Year	10	0.0	0.0	5.7	7.7	0.0	0.0																																																																
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≥ 3 years	6.0 – 8.0																																																																						
UTPR	UR Tot. Protein random	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>0.0</td><td>20.0</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0.0	0.0	0.0	20.0	<table><tr><th>Urine</th><th></th></tr><tr><td>Random⁰</td><td>1 - 14 mg/dL</td></tr></table>		Urine		Random ⁰	1 - 14 mg/dL																																												
				Age Unit	Age	PanicL	PanicH	NormL	NormH																																																														
				Year	200	0.0	0.0	0.0	20.0																																																														
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Random ⁰	1 - 14 mg/dL																																																																						
	UNH																																																																						
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UTPCC	UR random TP/CRT Ratio	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>0</td><td>250</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	0	250	<table><tr><th>Spot Urine Protein-to Creatinine Ratio¹⁵</th><th></th></tr><tr><td></td><td>< 200 mg/g</td></tr></table>		Spot Urine Protein-to Creatinine Ratio ¹⁵			< 200 mg/g																																												
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				Year	200	0	0	0	250																																																														
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	< 200 mg/g																																																																						
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CPROT	CSF Total Protein	Ref. Range	All Sites	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>15</td><td>45</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	15	45	<table><tr><th>CSF</th><th>Range (mg/dL)</th></tr><tr><td>0 – 13 days</td><td>40 - 120</td></tr><tr><td>14 days – 30 days</td><td>20 - 80</td></tr><tr><td>≥ 31 days</td><td>15 - 40</td></tr></table>		CSF	Range (mg/dL)	0 – 13 days	40 - 120	14 days – 30 days	20 - 80	≥ 31 days	15 - 40																																								
				Age Unit	Age	PanicL	PanicH	NormL	NormH																																																														
Year	200	0	0	15	45																																																																		
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TRIG	Triglycerides	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th><th>AbsdL</th><th>AbsdH</th></tr><tr><td>Year</td><td>5</td><td>0</td><td>0</td><td>30</td><td>86</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>11</td><td>0</td><td>0</td><td>31</td><td>108</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>15</td><td>0</td><td>0</td><td>36</td><td>138</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>19</td><td>0</td><td>0</td><td>40</td><td>163</td><td>0</td><td>0</td></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>0</td><td>150</td><td>0</td><td>0</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsdL	AbsdH	Year	5	0	0	30	86	0	0	Year	11	0	0	31	108	0	0	Year	15	0	0	36	138	0	0	Year	19	0	0	40	163	0	0	Year	200	0	0	0	150	0	0	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>0</td><td>150</td></tr></table>		Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	0	150
				Age Unit	Age	PanicL	PanicH	NormL	NormH	AbsdL	AbsdH																																																												
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Age Unit	Age	PanicL	PanicH	NormL	NormH																																																																		
Year	200	0	0	0	150																																																																		
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UBUPB	UR Buprenorphine Screen	Soft Workstation	WLM	N/A						added WLM chem automated workstation																																																													
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UBUPR	UR Buprenorphine Screen	Soft Workstation	WLM	N/A						added WLM chem automated workstation																																																													
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UOXY	UR Oxycodone Screen	Soft Workstation	WLM	N/A						added WLM chem automated workstation																																																													
				UNH	N/A						added UNH chem automated workstation																																																												
UIBC	Unsaturated Iron Binding Capacity	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>155</td><td>355</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	155	355	<table><tr><th>Serum/Plasma</th><th>Range (ug/dL)</th></tr><tr><td>Male</td><td>69 – 240</td></tr><tr><td>Female</td><td>70 – 310</td></tr></table>		Serum/Plasma	Range (ug/dL)	Male	69 – 240	Female	70 – 310																																										
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TIBC	Total Iron Binding Capacity	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>220</td><td>440</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	220	440	<table><tr><th>Serum/Plasma</th><th>Range (ug/dL)</th></tr><tr><td>Male</td><td>134 – 415</td></tr><tr><td>Female</td><td>120 – 480</td></tr></table>		Serum/Plasma	Range (ug/dL)	Male	134 – 415	Female	120 – 480																																										
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URIC	Uric Acid	Ref. Range	All Sites	<table><tr><th>Sex</th><th>Clinic</th><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Female</td><td></td><td>Year</td><td>14</td><td>0.0</td><td>0.0</td><td>2.0</td><td>5.6</td></tr><tr><td>Male</td><td></td><td>Year</td><td>14</td><td>0.0</td><td>0.0</td><td>2.0</td><td>5.6</td></tr><tr><td>Female</td><td></td><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>2.8</td><td>6.5</td></tr><tr><td>Male</td><td></td><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>3.8</td><td>8.0</td></tr></table>						Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH	Female		Year	14	0.0	0.0	2.0	5.6	Male		Year	14	0.0	0.0	2.0	5.6	Female		Year	200	0.0	0.0	2.8	6.5	Male		Year	200	0.0	0.0	3.8	8.0	<table><tr><th>Age</th><th>Range (mg/dL)</th></tr><tr><td>0 – 14 days</td><td>2.8 – 12.7</td></tr><tr><td>15 days – 364 days</td><td>1.6 – 6.3</td></tr><tr><td>1 – 5 years</td><td>1.8 – 5.0</td></tr><tr><td>6 – 10 years</td><td>2.4 – 5.5</td></tr><tr><td>11 – 12 years</td><td>2.6 – 5.8</td></tr><tr><td>≥ 13 years (male)</td><td>3.7 – 7.7</td></tr><tr><td>≥ 13 years (female)</td><td>2.5 – 6.2</td></tr></table>		Age	Range (mg/dL)	0 – 14 days	2.8 – 12.7	15 days – 364 days	1.6 – 6.3	1 – 5 years	1.8 – 5.0	6 – 10 years	2.4 – 5.5	11 – 12 years	2.6 – 5.8	≥ 13 years (male)	3.7 – 7.7	≥ 13 years (female)	2.5 – 6.2				
				Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH																																																												
				Female		Year	14	0.0	0.0	2.0	5.6																																																												
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URICR	Uric Acid - Rasburicase	Ref. Range	CHR	<table><tr><th>Sex</th><th>Clinic</th><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Female</td><td></td><td>Year</td><td>14</td><td>0.0</td><td>0.0</td><td>2.0</td><td>5.6</td></tr><tr><td>Male</td><td></td><td>Year</td><td>14</td><td>0.0</td><td>0.0</td><td>2.0</td><td>5.6</td></tr><tr><td>Female</td><td></td><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>2.8</td><td>6.5</td></tr><tr><td>Male</td><td></td><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>3.8</td><td>8.0</td></tr></table>						Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH	Female		Year	14	0.0	0.0	2.0	5.6	Male		Year	14	0.0	0.0	2.0	5.6	Female		Year	200	0.0	0.0	2.8	6.5	Male		Year	200	0.0	0.0	3.8	8.0	<table><tr><th>Age</th><th>Range (mg/dL)</th></tr><tr><td>0 – 14 days</td><td>2.8 – 12.7</td></tr><tr><td>15 days – 364 days</td><td>1.6 – 6.3</td></tr><tr><td>1 – 5 years</td><td>1.8 – 5.0</td></tr><tr><td>6 – 10 years</td><td>2.4 – 5.5</td></tr><tr><td>11 – 12 years</td><td>2.6 – 5.8</td></tr><tr><td>≥ 13 years (male)</td><td>3.7 – 7.7</td></tr><tr><td>≥ 13 years (female)</td><td>2.5 – 6.2</td></tr></table>		Age	Range (mg/dL)	0 – 14 days	2.8 – 12.7	15 days – 364 days	1.6 – 6.3	1 – 5 years	1.8 – 5.0	6 – 10 years	2.4 – 5.5	11 – 12 years	2.6 – 5.8	≥ 13 years (male)	3.7 – 7.7	≥ 13 years (female)	2.5 – 6.2				
				Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH																																																												
				Female		Year	14	0.0	0.0	2.0	5.6																																																												
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VAL	Valproic Acid Level	Test Comment	All Sites	Reference range for Valproic Acid in serum: Therapeutic range: 50-120 mg/L Toxic: >200 mg/L Toxicity is usually clinically evident. Serious toxicity is likely at twice the upper therapeutic level.				Reference range for Valproic Acid in serum: Therapeutic range: 50-120 ug/mL Toxic: >200 ug/mL Toxicity is usually clinically evident. Serious toxicity is likely at twice the upper therapeutic level.																																																															
		UOM	All Sites	mg/L				ug/mL																																																															

		Ref. Range	UNH	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>201</td><td>50</td><td>100</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	201	50	100	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>201</td><td>50</td><td>120</td></tr></table>		Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	201	50	120				
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Year	200	0	201	50	100																																		
Age Unit	Age	PanicL	PanicH	NormL	NormH																																		
Year	200	0	201	50	120																																		
		Specimen Type	UNH	GELSEP						PST																													
VANCP	Vancomycin Peak Level	UOM	CHR	mcg/mL						ug/mL																													
			WLM																																				
			UNH																																				
		Soft Workstation	UNH	was VANPU						added UNH chem automated workstation																													
VANCT	Vancomycin Trough Level	UOM	CHR	mcg/mL						ug/mL																													
			WLM																																				
			UNH																																				
		Soft Workstation	UNH	was VANTU						added UNH chem automated workstation																													
VANCR	Vancomycin Random Level	UOM	CHR	mcg/mL						ug/mL																													
			WLM																																				
			UNH																																				
		Soft Workstation	UNH	was VANRU						added UNH chem automated workstation																													
CCP	Cyclic Citrullinated Peptide Ab	Soft Workstation	CHR	was Special Chemistry						added CHR chem automated workstation																													
B12	Vitamin B12	Soft Workstation	CHR	was Special Chemistry						added CHR chem automated workstation																													
			WLM	Sent to CHR Special Chemistry						added WLM chem automated workstation																													
HCGG	HCG Gestational	Ref. Range	All Sites	<table><tr><th>Sex</th><th>Clinic</th><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Female</td><td></td><td>Year</td><td>200</td><td>0</td><td>0</td><td>0</td><td>7</td></tr><tr><td>Male</td><td></td><td>Year</td><td>200</td><td>0</td><td>0</td><td>0</td><td>2</td></tr></table>						Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH	Female		Year	200	0	0	0	7	Male		Year	200	0	0	0	2	expired & added to test comment					
		Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH																														
		Female		Year	200	0	0	0	7																														
		Male		Year	200	0	0	0	2																														
		Test Comment	All Sites	If the serum HCG level is not consistent with the patient's clinical presentation, confirmation by an alternate method is recommended. Mild elevations of HCG may be seen in peri- and postmenopausal state, due to pituitary production. J Reprod Med 2004; 49(6): 423-32 Clin Chem 2005; 51(10): 1830-5						If the serum HCG level is not consistent with the patient's clinical presentation, confirmation by an alternate method is recommended. Mild elevations of HCG may be seen in peri- and postmenopausal state, due to pituitary production. J Reprod Med 2004; 49(6): 423-32 Clin Chem 2005; 51(10): 1830-5 0-41 years(pre-menopausal)...<2.4 IU/L (0-2.3) 42-54 years(peri-menopausal)...0-4.8 IU/L >=55 years(post-menopausal)...0-7.6 IU/L No established reference range for males																													
		Precision	UNH	1						0																													
Specimen Type	UNH	GELSEP						PST																															
PREG	Pregnancy Test	Soft Workstation	All Sites	was chem manual						changed to Chem automated																													
		Specimen Type	All Sites	GELSEP						PST																													
		Ref. Range	CHR	0 - 38						0 - 35																													
CA125	CA 125	Test Comment	CHR	ChristianaCare Laboratory uses electrochemiluminescence immunoassay methodology for the quantitative determination for this test on the Roche cobas e immunoassay platform. Tumor marker results determined using different manufacturers methods may not be comparable. Serial measurements over time using same methodology and platform is recommended.						ChristianaCare Laboratory uses chemiluminescent microparticle immunoassay (CMIA) technology for the quantitative determination of this test on the Abbott Alinity i immunoassay platform. Tumor marker results determined using different manufacturers methods may not be comparable. Serial measurements over time using same methodology and platform is recommended.																													
		Soft Workstation	CHR	was Special Chemistry						added CHR chem automated workstation																													
		Ref. Range	CHR	0 - 30						0 - 31																													
C152	CA 153	Test Comment	CHR	ChristianaCare Laboratory uses electrochemiluminescence immunoassay methodology for the quantitative determination for this test on the Roche cobas e immunoassay platform. Tumor marker results determined using different manufacturers methods may not be comparable. Serial measurements over time using same methodology and platform is recommended.						ChristianaCare Laboratory uses chemiluminescent microparticle immunoassay (CMIA) technology for the quantitative determination of this test on the Abbott Alinity i immunoassay platform. Tumor marker results determined using different manufacturers methods may not be comparable. Serial measurements over time using same methodology and platform is recommended.																													
		Soft Workstation	CHR	was Special Chemistry						added CHR chem automated workstation																													
		Ref. Range	CHR	0.0 - 4.3						0.0 - 5.0																													
CEA	CEA	Test Comment	CHR	ChristianaCare Laboratory uses electrochemiluminescence immunoassay methodology for the quantitative determination for this test on the Roche cobas e immunoassay platform. Tumor marker results determined using different manufacturers methods may not be comparable. Serial measurements over time using same methodology and platform is recommended.						ChristianaCare Laboratory uses chemiluminescent microparticle immunoassay (CMIA) technology for the quantitative determination of this test on the Abbott Alinity i immunoassay platform. Tumor marker results determined using different manufacturers methods may not be comparable. Serial measurements over time using same methodology and platform is recommended.																													
		Soft Workstation	CHR	was Special Chemistry						added CHR chem automated workstation																													
FCEA	BF CEA	Test Comment	CHR	Christiana Care Health Services uses the Roche CEA assay. The above chemistry test is not FDA-approved for performance on body fluids. It has been validated for use by the Christiana Care Hospital Laboratory; however, no reference interval is available, and interpretation of results requires clinical correlation.						ChristianaCare Laboratory uses chemiluminescent microparticle immunoassay (CMIA) technology for the quantitative determination of this test on the Abbott Alinity i immunoassay platform. Tumor marker results determined using different manufacturers methods may not be comparable. Serial measurements over time using same methodology and platform is recommended. The above chemistry test is not FDA-approved for performance on body fluids. It has been validated for use by the Christiana Care Hospital Laboratory; however, no reference interval is available, and interpretation of results requires clinical correlation.																													
		Precision	UNH	1						0																													
FER	Ferritin	Ref. Range	CHR	<table><tr><th>Sex</th><th>Clinic</th><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Female</td><td></td><td>Year</td><td>200</td><td>0</td><td>0</td><td>13</td><td>150</td></tr><tr><td>Male</td><td></td><td>Year</td><td>200</td><td>0</td><td>0</td><td>30</td><td>400</td></tr></table>						Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH	Female		Year	200	0	0	13	150	Male		Year	200	0	0	30	400	<table><tr><td>Males</td><td>22 - 275</td></tr><tr><td>Females</td><td>5 - 204</td></tr></table>		Males	22 - 275	Females	5 - 204
		Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH																														
		Female		Year	200	0	0	13	150																														
		Male		Year	200	0	0	30	400																														
Males	22 - 275																																						
Females	5 - 204																																						
			UNH																																				
			WLM																																				
FOL	Folate	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>3.6</td><td>99.0</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0.0	0.0	3.6	99.0	7.0 - 31.4																	
		Age Unit	Age	PanicL	PanicH	NormL	NormH																																
		Year	200	0.0	0.0	3.6	99.0																																
			UNH																																				
	WLM																																						
		Soft Workstation	WLM	was sent to CHR						added WLM chem automated workstation																													
			CHR	was Special Chemistry						added CHR chem automated workstation																													
FT3	T3 Free	Ref. Range	CHR	2.00 - 4.40						1.58 - 3.91																													
FT4	T4 Free	Ref. Range	CHR	0.9 - 1.7						0.70 - 1.48																													
			UNH																																				
			WLM																																				
		Precision	All Sites	1						2																													
PCT	Procalcitonin	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.24</td></tr></table>						Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0.00	0.00	0.00	0.24	<table><tr><td>All</td><td>0.00 - 0.07</td></tr></table>		All	0.00 - 0.07														
		Age Unit	Age	PanicL	PanicH	NormL	NormH																																
		Year	200	0.00	0.00	0.00	0.24																																
		All	0.00 - 0.07																																				
	WLM																																						
		Test Comment	CHR	<0.25 ng/mL Bacterial infection unlikely, consider alternative diagnosis. 0.25-0.5 ng/mL Bacterial infection likely. >0.5 ng/mL Bacterial infection/sepsis highly likely.																																			
			WLM	NOTE: Severe trauma, major burns, multiorgan failure including ESRD and HD, major surgery (immediately post-operatively), rhabdomyolysis, cardiac arrest, heat stroke, invasive fungal infections and medullary thyroid cancer have been associated with elevated procalcitonin levels in the absence of bacterial infection.						test comment expired																													
PROL	Prolactin	Ref. Range	CHR	<table><tr><th>Sex</th><th>Clinic</th><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Female</td><td></td><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>4.8</td><td>23.3</td></tr><tr><td>Male</td><td></td><td>Year</td><td>200</td><td>0.0</td><td>0.0</td><td>4.0</td><td>15.2</td></tr></table>						Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH	Female		Year	200	0.0	0.0	4.8	23.3	Male		Year	200	0.0	0.0	4.0	15.2	<table><tr><td>Males</td><td>3.5 - 19.4</td></tr><tr><td>Females</td><td>5.2 - 26.5</td></tr></table>		Males	3.5 - 19.4	Females	5.2 - 26.5
		Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH																														
Female		Year	200	0.0	0.0	4.8	23.3																																
Male		Year	200	0.0	0.0	4.0	15.2																																
Males	3.5 - 19.4																																						
Females	5.2 - 26.5																																						
		Soft Workstation	CHR	was Special Chemistry						added CHR chem automated workstation																													

TESTO	Testosterone	Ref. Range	CHR	<table><tr><th>Sex</th><th>Clinic</th><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Female</td><td></td><td>Year</td><td>50</td><td>0</td><td>0</td><td>8</td><td>48</td></tr><tr><td>Male</td><td></td><td>Year</td><td>50</td><td>0</td><td>0</td><td>249</td><td>836</td></tr><tr><td>Female</td><td></td><td>Year</td><td>200</td><td>0</td><td>0</td><td>3</td><td>41</td></tr><tr><td>Male</td><td></td><td>Year</td><td>200</td><td>0</td><td>0</td><td>193</td><td>740</td></tr></table>	Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH	Female		Year	50	0	0	8	48	Male		Year	50	0	0	249	836	Female		Year	200	0	0	3	41	Male		Year	200	0	0	193	740	<table><tr><th>Male</th><th></th></tr><tr><td>18 - 49 years</td><td>240 – 871</td></tr><tr><td>≥ 50 years</td><td>221 – 716</td></tr><tr><th>Female</th><th></th></tr><tr><td>18 - 49 years</td><td>14 – 53</td></tr><tr><td>≥ 50 years</td><td>12 – 36</td></tr></table>	Male		18 - 49 years	240 – 871	≥ 50 years	221 – 716	Female		18 - 49 years	14 – 53	≥ 50 years	12 – 36
		Sex	Clinic	Age Unit	Age	PanicL	PanicH	NormL	NormH																																																
		Female		Year	50	0	0	8	48																																																
Male		Year	50	0	0	249	836																																																		
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≥ 50 years	12 – 36																																																								
		Soft Workstation	CHR	was Special Chemistry		added CHR chem automated workstation																																																			
TRI	Triiodothyronin (T3)	Ref. Range	CHR	0.8 - 2.0		0.35 - 1.93																																																			
		Precision	CHR	1		2																																																			
T4	Thyroxine	UOM	CHR	mcg/dL		ug/dL																																																			
			WLM																																																						
		Ref. Range	CHR	4.6 - 12.0		4.9 - 11.7																																																			
TSH	TSH	Ref. Range	All Sites	0.27 - 4.20		0.35 - 4.94																																																			
		UOM	CHR	mcg/dL		ug/dL																																																			
			WLM																																																						
CORT	Cortisol		CHR	Reference values for Cortisol: AM sample..... 4.8 - 19.5 mcg/dL PM sample..... 2.5 - 11.9 mcg/dL		Reference values for Cortisol: AM sample (collected before 10 am)..... 3.7 - 19.4 ug/dL PM sample (collected after 5 pm)..... 2.9 - 17.3 ug/dL																																																			
		Test Comment		Prednisone, prednisolone and methylprednisolone cause false positive elevations of Cortisol levels.		Prednisone, prednisolone and methylprednisolone cause false positive elevations of Cortisol levels.																																																			
			WLM																																																						
E2	Estradiol	Ref. Range	CHR	Female: see comments Male: 11.0 - 44.0		males: 11-44 female: see comments																																																			
		Test Comment	CHR	Estradiol Reference Ranges: Female: Follicular Phase..... 21 - 251 pg/mL Mid Cycle..... 38 - 649 pg/mL Luteal Phase..... 21 - 312 pg/mL Postmenopausal Females not on Hormone replacement therapy..... <10 - 28 pg/mL Postmenopausal Females on Hormone replacement therapy..... <10 - 144 pg/mL Fulvestrant (Faslodex) interferes with this assay.		Estradiol Reference Ranges: Female: Follicular Phase..... 21 - 251 pg/mL Mid Cycle..... 38 - 649 pg/mL Luteal Phase..... 21 - 312 pg/mL Postmenopausal Females not on Hormone replacement therapy..... <10 - 28 pg/mL Postmenopausal Females on Hormone replacement therapy..... <10 - 144 pg/mL Fulvestrant (Faslodex) interferes with this assay.																																																			
		Soft Workstation	CHR	was Special Chemistry		added CHR chem automated workstation																																																			
FSH	Follicle Stim Hormone	Ref. Range	CHR	N/A		males: 1.0 - 12.0																																																			
		UOM	CHR	IU/L		Females: see comments mIU/																																																			
		Test Comment	CHR	Follicle Stimulating Hormone Reference Ranges: Female: Follicular Phase..... 3.5 - 12.5 IU/L Mid-Cycle..... 4.7 - 21.5 IU/L Luteal Phase..... 1.7 - 7.7 IU/L Post Menopausal females.. 25.8 - 134.8 IU/L Male..... 1.5 - 12.4 IU/L		Follicle Stimulating Hormone Reference Ranges: Female: Follicular Phase..... 3.0 - 8.1 mIU/mL Mid Cycle..... 2.5 - 16.7 mIU/mL Luteal Phase..... 1.4 - 5.4 mIU/mL Post-Menopausal Females..... 26.7 - 133.4 mIU/mL																																																			
		Soft Workstation	CHR	was Special Chemistry		added CHR chem automated workstation																																																			
LH	Luteinizing Hormone	Ref. Range	CHR	N/A		Males: 0.6 - 12.0 Females: see comments																																																			
		UOM	CHR	IU/L		mIU/mL																																																			
		Test Comment	CHR	Luteinizing Hormone Reference Ranges: Female: Follicular Phase..... 2.4 - 12.6 IU/L Mid-Cycle..... 14.0 - 95.6 IU/L Luteal Phase..... 1.0 - 11.4 IU/L Post-Menopause..... 7.7 - 58.5 IU/L Males..... 1.7 - 8.6 IU/L		Luteinizing Hormone Reference Ranges: Female: Follicular Phase..... 1.8 - 11.8 mIU/mL Mid Cycle..... 7.6 - 89.1 mIU/mL Luteal Phase..... 0.6 - 14.0 mIU/mL Post-Menopausal Females..... 5.2 - 62.0 mIU/mL																																																			
		Soft Workstation	CHR	was Special Chemistry		added CHR chem automated workstation																																																			
PROG	Progesterone	Ref. Range	CHR	N/A		males: 0.0 - 0.2 female: see comments																																																			
		Test Comment	CHR	Progesterone Reference Range: Female: Follicular Phase..... 0.06 - 0.9 ng/mL Mid Cycle..... 0.12 - 12.0 ng/mL Luteal Phase..... 1.8 - 23.9 ng/mL Post Menopause..... <0.05 - 0.1 ng/mL Pregnant Female: 1st trimester..... 11.0 - 44.3 ng/mL 2nd trimester..... 25.4 - 83.3 ng/mL 3rd trimester..... 58.7 - 214 ng/mL Male..... <0.05 - 0.1 ng/mL		Progesterone Reference Ranges: Female: Follicular Phase..... < 0.1 - 0.3 ng/mL Luteal Phase..... 1.2 - 15.9 ng/mL Post-Menopausal Females..... < 0.1 - 0.2 ng/mL Pregnant Female: 1st Trimester..... 2.8 - 147.3 ng/mL 2nd Trimester..... 22.5 - 95.3 ng/mL 3rd Trimester..... 27.9 - 242.5 ng/mL																																																			
		Soft Workstation	CHR	was Special Chemistry		added CHR chem automated workstation																																																			
VITD	Vitamin D	Precision	CHR	0		1																																																			
			UNH																																																						
			WLM																																																						
		Soft Workstation	CHR	was Special Chemistry was sent to CHR		added CHR chem automated workstation added WLM chem automated workstation																																																			
PTH	PTH Intact	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>15</td><td>65</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	15	65	8.7 - 77.1 pg/mL																																								
		Age Unit	Age	PanicL	PanicH	NormL	NormH																																																		
		Year	200	0	0	15	65																																																		
	UNH																																																								
			WLM																																																						
		Precision	CHR	0		1																																																			
			UNH																																																						
			WLM																																																						
RPTH	Rapid PTH	Ref. Range	CHR	<table><tr><th>Age Unit</th><th>Age</th><th>PanicL</th><th>PanicH</th><th>NormL</th><th>NormH</th></tr><tr><td>Year</td><td>200</td><td>0</td><td>0</td><td>15</td><td>65</td></tr></table>	Age Unit	Age	PanicL	PanicH	NormL	NormH	Year	200	0	0	15	65	8.7 - 77.1 pg/mL																																								
		Age Unit	Age	PanicL	PanicH	NormL	NormH																																																		
		Year	200	0	0	15	65																																																		
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		Precision	CHR	0		1																																																			
			WLM																																																						
		Soft Workstation	CHR	was Special Chemistry		added CHR chem automated workstation																																																			
C199	CA 199	New Test	CHR	replacing old CA199 order																																																					
UMAL	Urine Microalbumin? Creatinine Ratio	New Test	CHR	replacing old UMALB order																																																					
			UNH																																																						
			WLM																																																						
CYSTC	Cystatin C	New Test	CHR	new group test build - includes new GFRC test																																																					
HSTRP	High Sensitivity Troponin I	New Test	All Sites	New group test replacing HSTNT Includes tests HSTR1 (troponin value) + HSTRD (troponin Delta value)																																																					
AFPRO	Alphafetoprotein Tumor Marker	New Test	CHR	replacing old AFP order																																																					
PSASC	PSA Screen	New Test	CHR	new test																																																					
			UNH																																																						
PSADI	PSA Diagnostic	New Test	CHR	new test																																																					
			UNH																																																						
PSAFF	PSA Free Group	New Test	CHR	new test																																																					
			UNH																																																						

PSAFE	PSA Free	New Test	CHR	new test	
			UNH		
PSAR%	PSA %	New Test	CHR	new test	
			UNH		
PSAFL	PSA Free and Total	New Test	CHR	new test	
			UNH		
PSATO	PSA Total	New Test	CHR	new test	
			UNH		
PSARF	PSA Total w/ Reflex	New Test	CHR	new test	
			UNH		