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### Appendix 2
Indiana University Health Pathology Laboratory Normal Ranges

#### Allergen Testing
- **See Scoring chart above**

#### Allergen Testing

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Indiana University Health Pathology Laboratory  Current on 07/27/2017 350 W. 11th Street, Indianapolis, IN 46202 4 Red signifies change since last posting.
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<tr>
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<td>&lt;10 or &gt;40</td>
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Indiana University Health Pathology Laboratory

Current on 07/27/2017 350 W. 11th Street, Indianapolis, IN 46202 5 Red signifies change since last posting.
### Appendix 2

Indiana University Health Pathology Laboratory Normal Ranges

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<tr>
<th>catalog_cd</th>
<th>Test Name</th>
<th>Age</th>
<th>Male or All</th>
<th>Female</th>
<th>Critical</th>
<th>Updated</th>
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<td>O2 Sat Calculated</td>
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The reference ranges have not been determined for pleural, peritoneal and pericardial fluids since these fluids are not readily obtainable in healthy individuals. A total nucleated blood cell count < 1000 mm3 may be associated with a transudate. The results should be integrated into clinical context for interpretation.
### Appendix 2

**Indiana University Health Pathology Laboratory Normal Ranges**

<table>
<thead>
<tr>
<th>catalog_cd</th>
<th>Test Name</th>
<th>Age</th>
<th>Male or All</th>
<th>Female</th>
<th>Critical</th>
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<td>6 months - 150 yrs</td>
<td>1.12-1.33 mmol/L</td>
<td>&lt;0.90 or &gt;1.50</td>
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<td>7.35-7.45</td>
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<td>685522</td>
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<td>216173102</td>
<td>Cannabinoids Scn Ur QL</td>
<td>50 ng/mL (Cutoff)</td>
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<td>685602</td>
<td>Carbamazepine SerPl QN</td>
<td>4-12 mcg/mL</td>
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<td>685617</td>
<td>Carboxyhemoglobin Bld QN</td>
<td>Non-smokers: 0.0-2.0 % Smokers: 1.5-5.0 %</td>
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<tr>
<td>693477</td>
<td>Cardio IgA Ab</td>
<td>&lt;22.0 APL</td>
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<td>840717790</td>
<td>Cardiolipin IgG Ser QN</td>
<td>&lt;10.0 GPL-U/mL = Negative</td>
<td>10.0-&lt;40.0 GPL-U/mL = Equivocal</td>
<td>&gt;40.0 GPL-U/mL = Positive</td>
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<td>840718549</td>
<td>Cardiolipin IgM Ser QN</td>
<td>&lt;10.0 MPL-U/mL = Negative</td>
<td>10.0-&lt;40.0 MPL-U/mL = Equivocal</td>
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<td>Norepinephrine Ur QN</td>
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<td>110-250 mmol/24hr</td>
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### Appendix 2: Indiana University Health Pathology Laboratory Normal Ranges

#### Test Name and Description

- **685667** Cholesterol Fld QN
- **685680** Cholesterol SerPl QN
- **27145386** Chromogenic Factor X Assay
- **703780003** Chromatin Ab EIA
- **703780003** Ab Index >= 1.0 - Positive
- **85736** CK SerPl QN
- **685689** CKMB Mass Pl QN
- **693480** CMV Ab LA QN
- **302238095** Cytomegalovirus QN PCR
- **693486** CMV IgG EIA QN
- **691960146** CMV IgM EIA QN
- **693489** CMV IgG EIA QN (DMDX)
- **685611** CO2 SerPl QN
- **685614** CO2 Ur Ran QN
- **685693** Cocaine Scn Ur QL
- **837852** Cold Agglutinin Titer
- **685699** Comp Metabolic Panel
- **815736** CK SerPl QN
- **685680** Cholesterol SerPl QN
- **27145386** Chromogenic Factor X Assay
- **703780003** Chromatin Ab EIA
- **703780003** Ab Index >= 1.0 - Positive
- **85736** CK SerPl QN
- **685689** CKMB Mass Pl QN
- **693480** CMV Ab LA QN
- **302238095** Cytomegalovirus QN PCR
- **693486** CMV IgG EIA QN
- **691960146** CMV IgM EIA QN
- **693489** CMV IgG EIA QN (DMDX)
- **685611** CO2 SerPl QN
- **685614** CO2 Ur Ran QN
- **685693** Cocaine Scn Ur QL
- **837852** Cold Agglutinin Titer

#### Table: Comp Metabolic Panel

**Test Name** | **Age** | **Male or All** | **Critical** | **Updated**
--- | --- | --- | --- | ---
Albunin SerPl QN | 0 - 1 day | 2.4-4.1 gm/dL | | 
| 1 day - 1 week | 2.8-5.1 gm/dL | | 
| 1 week - 4 mo | 3.1-4.2 gm/dL | | 
| 4 mo - 1 yr | 3.1-4.7 gm/dL | | 
| 1 - 4 yr | 3.1-4.7 gm/dL | | 
| 4 - 14 yr | 3.5-4.7 gm/dL | | 
| 14 - 150 yr | 3.5-5.0 gm/dL | | 
Alkaline Phos SerPl QN | 0 - 1yr | 88-351 U/L | | 
| 1 - 2 yr | 95-380 U/L | | 
| 2 - 12 yr | 102-400 U/L | | 
| 12 - 14 yr | 74-397 U/L | | 
| 14 - 18 yr | 48-277 U/L | | 
| 18 - 21 yr | 17-142 U/L | | 
| 21 - 150 yr | 25-125 U/L | | 
ALT SerPl QN | 7-52 U/L | | Dec 2012 | 

#### Table: Critical Values

**Test Name** | **Age** | **Male or All** | **Critical** | **Updated**
--- | --- | --- | --- | ---
AST SerPl QN | 13-39 U/L | | Dec 2012 | 
Bilirubin Total SerPl QN | 0 - 1 day | 2.0-6.0 mg/dL | Neonates: > 15 | 
| 1 day - 3 days | 2.0-7.0 mg/dL | Neonates: > 15 | 
| 3 days - 1 week | 2.0-6.0 mg/dL | Neonates: > 15 | 
| 1 week - 150 yrs | 0.0-1.0 mg/dL | Neonates: > 15 | 
BUN SerPl QN | 9-20 mg/dL | | | 
Calcium Total SerPl QN | 8.5-10.5 mg/dL | <6 or >13.0 | | 
Chloride SerPl QN | 88-108 mmol/L | | | 
CO2 SerPl QN | 22-29 mmol/L | <10 or >40 | | 
Glucose Fasting SerPl QN | 30 days - 150 yrs | 70-99 mg/dL | < 50 or > 500 | 
Creatinine SerPl | 0 - 1 yr | 0.2-0.6 mg/dL | | 
| 1 - 5 yrs | 0.2-0.7 mg/dL | | 
| 5 - 6 yrs | 0.3-0.8 mg/dL | | 
| 6 - 9 yrs | 0.3-0.9 mg/dL | | 
| 9 - 10 yrs | 0.2-1.1 mg/dL | | 
| 10 - 12 yrs | 0.3-0.9 mg/dL | | 
| 12 - 13 yrs | 0.3-1.1 mg/dL | | 
| 13 - 14 yrs | 0.2-1.2 mg/dL | | 
| 14 - 16 yrs | 0.3-1.2 mg/dL | | 
| 16 - 18 yrs | 0.4-1.2 mg/dL | | 
| 18-150 yrs | 0.8-1.4 mg/dL | | 

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<th>Female</th>
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<td>0 - 10 yrs</td>
<td>3.0 - 3.8 mg/dL</td>
<td>2.5 - 5.5 mg/dL</td>
<td>&lt;3.0 or &gt; 6.0</td>
<td>Dec 2012</td>
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<td>10 - 13 yrs</td>
<td>3.0 - 3.9 mg/dL</td>
<td>2.5 - 5.5 mmol/L</td>
<td>&lt;3.0 or &gt; 6.0</td>
<td>Dec 2012</td>
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<td>13 - 14 yrs</td>
<td>3.0 - 3.9 mg/dL</td>
<td>2.5 - 5.5 mmol/L</td>
<td>&lt;3.0 or &gt; 6.0</td>
<td>Dec 2012</td>
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<tr>
<td>14 - 15 yrs</td>
<td>3.0 - 3.9 mg/dL</td>
<td>2.5 - 5.5 mmol/L</td>
<td>&lt;3.0 or &gt; 6.0</td>
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<td>15 - 16 yrs</td>
<td>3.0 - 3.9 mg/dL</td>
<td>2.5 - 5.5 mmol/L</td>
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<tr>
<td>16 - 18 yrs</td>
<td>3.0 - 3.9 mg/dL</td>
<td>2.5 - 5.5 mmol/L</td>
<td>&lt;3.0 or &gt; 6.0</td>
<td>Dec 2012</td>
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<tr>
<td>18 - 150 yrs</td>
<td>3.0 - 3.9 mg/dL</td>
<td>2.5 - 5.5 mmol/L</td>
<td>&lt;3.0 or &gt; 6.0</td>
<td>Dec 2012</td>
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**Appendix 2**

Indiana University Health Pathology Laboratory Normal Ranges

**Appendix 3**

Condensed Trans

see appendix 3 Lymphocyte Subsets page

**Test Name**

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<td>Potassium SerPl QN</td>
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<td>2.5 - 5.5 mmol/L</td>
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<td>Sodium SerPl QN</td>
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<td>&lt;120 or &gt;160</td>
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<td>Total Protein SerPl QN</td>
<td>0.3 - 0.8 mg/dL</td>
<td>2.5 - 5.5 mmol/L</td>
<td>&lt;3.0 or &gt; 6.0</td>
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<td>Carboxyhemoglobin</td>
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<td>Methemoglobin</td>
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**Appendix 2**

Indiana University Health Pathology Laboratory

Current on 07/27/2017 350 W. 11th Street, Indianapolis, IN 46202 13 Red signifies change since last posting.
### Appendix 2

**Indiana University Health Pathology Laboratory Normal Ranges**

- **Glucose Ur Ran QN**
  - 30 days - 150 yrs: 70-99 mg/dL
  - undefined mg/dL

- **Glucose Ur Tm QN**
  - 0-500 mg/24hr

- **Growth Hormone Ser QN**
  - Adult: 0.0-1.0 ng/mL
  - Peds: See interpretation

- **Haptoglobin Ser QN**
  - 30-200 mg/dL

- **HCG Intact Ser QN**
  - 1st week: 0-50 mU/mL
  - 2nd week: 40-1,000 mU/mL
  - 3rd week: 1,500-10,000 mU/mL
  - 4th week: 600-10,000 mU/mL
  - 5th week: 1,000-50,000 mU/mL
  - 6th week: 1,500-50,000 mU/mL
  - 7th week: >1,500,000 mU/mL
  - 2-3 mo: 12,000-300,000 mU/mL
  - 2nd Trimester: 24,000-55,000 mU/mL
  - 3rd Trimester: 6,000-48,000 mU/mL

- **HDL SerPl QN**
  - >40 mg/dL

- **Hemoglobin A2 Bld QN**
  - 1.4-3.0 %

- **Hemoglobin Fetal QN**
  - 0-2 mo: 65-90 %
  - 2-4 mo: 10-46 %
  - 4 mo - 2 yrs: 2-10 %
  - 2-14 yrs: 2-5 %
  - 2-15 yrs: 0-2 %

- **Hemoglobin Free SerPl QN**
  - 0-10 mg/dL

- **Hemosiderin Stain Ur**
  - negative

- **Hepatitis A Ab IB QL**
  - Nonreactive

- **Hepatitis A IgM QL**
  - Nonreactive

- **Hepatitis B Core Ab QL**
  - Nonreactive

- **Hepatitis B Core IgM QL**
  - Nonreactive

- **Hepatitis B DNA Pl QN PCR**
  - 0

- **Hepatitis B E Ab EIA**
  - negative

- **Hepatitis B E Ag EIA**
  - negative

- **Hepatitis B Surface Ag QL**
  - Nonreactive

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<th>Age</th>
<th>Male or All</th>
<th>Female</th>
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**Appendix 4**

- **Hematocrit Spun**
  - see appendix 4

- **Hemoglobin**
  - 0-2 %

- **Hepatic Function Pnl**
  - Albumin SerPl QN
    - 0-1 day: 2.4-4.1 gm/dL
    - 1 day - 1 week: 3.8-5.1 gm/dL
    - 1 week - 4 mo: 3.1-4.2 gm/dL
    - 4 mo - 1 yr: 3.1-4.7 gm/dL
    - 1-4 yr: 3.1-4.7 gm/dL
    - 4-14 yr: 3.5-4.7 gm/dL
    - 14-150 yrs: 3.5-5.0 gm/dL

  - Alkaline Phos SerPl QN
    - 0-1 yr: 89-351 U/L
    - 1-2 yr: 65-380 U/L
    - 2-12 yr: 102-400 U/L
    - 12-14 yr: 74-397 U/L
    - 14-18 yr: 48-277 U/L
    - 18-21 yr: 17-142 U/L
    - 21-150 yr: 25-125 U/L

  - ALT SerPl QN
    - 7.52 U/L

  - AST SerPl QN
    - 13.39 U/L

  - Bilirubin Total SerPl QN
    - 0-1 day: 2.0-6.0 mg/dL
    - 1 day - 3 days: 2.0-7.0 mg/dL
    - 3 days - 1 week: 2.0-6.0 mg/dL

  - Bilirubin Direct SerPl QN
    - 0.0 - 0.2 mg/dL

**Updated**

- **Dec 2012**
- **July 2016**
## Appendix 2

### Indiana University Health Pathology Laboratory Normal Ranges

<table>
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Notes:
- Red signifies change since last posting.
- "Indeterminate" indicates a range.
- "Normal" indicates a specific value.

Hepatitis B Surface Ab QN:
- < 8.5 mIU/mL = Negative (presumed not immune)
- ≥ 8.5 mIU/mL and < 11.5 mIU/mL = Indeterminate
- ≥ 11.5 mIU/mL = Positive (considered immune)

Hepatitis C Ab QL:
- Nonreactive

Hepatitis C Genotype:
- negative

Hepatitis C QL:
- Nonreactive

Hepatitis B Core IgM GL:
- Negative

Hepatitis C Ab QL:
- Negative

Hepatitis B Surface Ag:
- Negative

Hepatitis A IgM QL:
- Negative

Hepatitis B Core IgM GL:
- Negative

Hepatitis C QL:
- Nonreactive

Hepatitis B Surface Ag:
- Negative

Hepatitis A IgM QL:
- Negative
### Appendix 2

Indiana University Health Pathology Laboratory Normal Ranges

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Age</th>
<th>Male or All</th>
<th>Female</th>
<th>Critical</th>
<th>Updated</th>
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Appendix 2

IgG Subclass 3 Ser QN

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## Appendix 2
### Indiana University Health Pathology Laboratory Normal Ranges

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Appendix 2
Indianapolis University Health Pathology Laboratory Normal Ranges

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<td>Platelet Inhibition (P2Y12)</td>
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### Appendix 2

**Indiana University Health Pathology Laboratory Normal Ranges**

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<th>4 - 14 yrs</th>
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**Notes:**
- Critical values are provided in multiple units (e.g., mg/dL, mcg/mL).
- Updated dates are indicated in the Mar 2010 column.
Appendix 2

Indiana University Health Pathology Laboratory Normal Ranges

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<th>Critical</th>
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</tr>
<tr>
<td>Protein S Clottable</td>
<td>32-136 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protein Ur Ran QN</td>
<td>undefined mg/dL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protein Ur Tm QN</td>
<td>0-150 mg/24hr</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protein Fld QN</td>
<td>undefined mg/dL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protein S Antigen</td>
<td>77 – 137%</td>
<td></td>
<td>Feb 2015</td>
</tr>
<tr>
<td>Protein S Antigen Free</td>
<td>59 – 118%</td>
<td></td>
<td>Feb 2015</td>
</tr>
<tr>
<td>Protein S Clottable</td>
<td>52 – 136 %</td>
<td></td>
<td>Jul 2012</td>
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<tr>
<td>Protein Ur Ran QN</td>
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<td>Protein Ur Tm QN</td>
<td>0-150 mg/24hr</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protein/Crt Ratio</td>
<td>undefined mg/mg</td>
<td></td>
<td>Mar 2013</td>
</tr>
<tr>
<td>Protein Ur Tm QN</td>
<td>0-150 mg/24hr</td>
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<tr>
<td>Protein/Crt Ratio</td>
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<td></td>
<td>Mar 2013</td>
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<tr>
<td>Protein Ur Ran QN</td>
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<tr>
<td>Protein Ur Tm QN</td>
<td>0-150 mg/24hr</td>
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<tr>
<td>Protein/Crt Ratio</td>
<td>undefined mg/mg</td>
<td></td>
<td>Mar 2013</td>
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<tr>
<td>Protein Ur Ran QN</td>
<td>undefined mg/mg</td>
<td></td>
<td>Mar 2013</td>
</tr>
<tr>
<td>Protein/Crt Ratio</td>
<td>undefined mg/mg</td>
<td></td>
<td>Mar 2013</td>
</tr>
<tr>
<td>Protein Ur Ran QN</td>
<td>undefined mg/mg</td>
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<td>Protein/Crt Ratio</td>
<td>undefined mg/mg</td>
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<td>Mar 2013</td>
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<tr>
<td>Protein Ur Ran QN</td>
<td>undefined mg/mg</td>
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<td>Mar 2013</td>
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<tr>
<td>Protein/Crt Ratio</td>
<td>undefined mg/mg</td>
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<td>Mar 2013</td>
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<tr>
<td>PSA Ser QN</td>
<td>9.4 ng/mL</td>
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<tr>
<td>PSA, Free/Total Ser QN</td>
<td>When the total PSA is between 4 to 10 ng/mL.</td>
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<tr>
<td>Percent Free PSA</td>
<td>Probability of Cancer</td>
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<tr>
<td>&lt; 10</td>
<td>66</td>
<td></td>
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</tr>
<tr>
<td>10 to 15</td>
<td>28</td>
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<td>15 to 20</td>
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<tr>
<td>20 to 25</td>
<td>15</td>
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<tr>
<td>&gt; 25</td>
<td>8</td>
<td></td>
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<tr>
<td>Protein Fld QN</td>
<td>undefined mg/mg</td>
<td></td>
<td>Oct 2015</td>
</tr>
<tr>
<td>PT Gene Mutation PCR</td>
<td>Homozygous normal</td>
<td></td>
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<tr>
<td>Manual PT</td>
<td>8.5-12.6 seconds</td>
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<td>April 2013</td>
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<tr>
<td>Manual aPTT</td>
<td>25.6-42.2 seconds</td>
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<td>Sept 2013</td>
</tr>
<tr>
<td>PTINR</td>
<td>8.4-12.9 seconds</td>
<td></td>
<td>Sept 2015</td>
</tr>
<tr>
<td>Hemoglobin A %</td>
<td>0-33.5 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hemoglobin F %</td>
<td>95-90 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hemoglobin S %</td>
<td>9 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hemoglobin A2 %</td>
<td>1.5-4 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hemoglobin C %</td>
<td>0 %</td>
<td></td>
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</tr>
<tr>
<td>Quant.Tissue CX</td>
<td>depends on source</td>
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<td></td>
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<tr>
<td>Rapid A Strep Ag</td>
<td>negative</td>
<td></td>
<td></td>
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<tr>
<td>RBC Osmotic Frag</td>
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<tr>
<td>Reducing Sub Ur QL</td>
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<td></td>
</tr>
<tr>
<td>Renal Function Panel</td>
<td>see individual tests</td>
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</tr>
<tr>
<td>Albumin SerPi QN</td>
<td>0 - 1 day</td>
<td>2.4-4.1 gm/dL</td>
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</tr>
<tr>
<td>1 day - 1 week</td>
<td>3.8-5.1 gm/dL</td>
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<td></td>
</tr>
<tr>
<td>1 week - 4 mo</td>
<td>3.1-4.2 gm/dL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 mo - 1 yr</td>
<td>3.1-4.7 gm/dL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - 4 yr</td>
<td>3.1-4.7 gm/dL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 - 14 yr</td>
<td>3.5-4.7 gm/dL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 - 150 yr</td>
<td>3.5-5.0 gm/dL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium Total SerPi QN</td>
<td>8.5-10.5 mg/dL</td>
<td>&lt;6 or &gt;13.0</td>
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<tr>
<td>Chloride SerPi QN</td>
<td>98-108 mmol/L</td>
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<td></td>
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</tbody>
</table>

Indiana University Health Pathology Laboratory  Current on 07/27/2017 350 W. 11th Street, Indianapolis, IN 46202 23 Red signifies change since last posting.
### Appendix 2
Indiana University Health Pathology Laboratory

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Age</th>
<th>Male or All</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co2 SerPl QN</td>
<td>22-29 mmol/L</td>
<td>≤10 or &gt;40</td>
</tr>
<tr>
<td>Creatinine SerPl</td>
<td>0.2-0.6 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.2-0.7 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3-0.8 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3-0.9 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.2-1.1 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3-0.9 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.2-1.0 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3-1.2 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.4-1.2 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.8-1.4 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3-0.5 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3-0.7 mg/dL</td>
<td>≤1.0 or &gt; 9.0</td>
</tr>
<tr>
<td></td>
<td>0.3-0.8 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3-0.9 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.2-1.1 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.2-1.0 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3-1.1 mg/dL</td>
<td></td>
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<tr>
<td>Glucose Fasting SerPl QN</td>
<td>40-99 mg/dL</td>
<td>≤ 30 or &gt; 300</td>
</tr>
<tr>
<td></td>
<td>70-99 mg/dL</td>
<td>≤ 50 or &gt; 500</td>
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<tr>
<td>Phosphorus SerPl QN</td>
<td>4.8-8.2 mg/dL</td>
<td>≤ 1.0 or &gt; 9.0</td>
</tr>
<tr>
<td></td>
<td>4.8-8.1 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4.0-6.8 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.6-6.5 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.4-5.5 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.6-5.2 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.5-4.9 mg/dL</td>
<td></td>
</tr>
<tr>
<td>Potassium SerPl QN</td>
<td>3.5-5.5 mmol/L</td>
<td>≤3.0 or &gt; 6.0</td>
</tr>
<tr>
<td>Sodium SerPl QN</td>
<td>135-145 mmol/L</td>
<td>≤120 or &gt;160</td>
</tr>
<tr>
<td>Renin Pln</td>
<td>&lt;10 ng/mL/90 min</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&lt;23 ng/mL/90 min</td>
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</tr>
<tr>
<td>Reptilase Clotting Time</td>
<td>14.5-20.3 sec</td>
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</tr>
<tr>
<td>Resp CX + Stn</td>
<td>normal respiratory flora</td>
<td></td>
</tr>
<tr>
<td>Resp VirAg Prfl</td>
<td>negative for stain, no virus isolated for culture</td>
<td></td>
</tr>
<tr>
<td>Ribo P Ab EIA</td>
<td>Ab Index ≤ 1.0·Negative</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ab Index ≥ 1.0·Positive</td>
<td></td>
</tr>
<tr>
<td>Risto Dose Resp</td>
<td>By report</td>
<td></td>
</tr>
<tr>
<td>Rotavirus Ag</td>
<td>negative</td>
<td></td>
</tr>
<tr>
<td>RSV Ag IF</td>
<td>negative</td>
<td></td>
</tr>
<tr>
<td>Rapid RSV</td>
<td>negative</td>
<td></td>
</tr>
<tr>
<td>Rub IgG EIA (D)</td>
<td>By report</td>
<td></td>
</tr>
<tr>
<td>Rubella IgG Ser QN</td>
<td>By report</td>
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<tr>
<td>Secobarbital SerPl QN</td>
<td>Therapeutic</td>
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<table>
<thead>
<tr>
<th>Test Name</th>
<th>Age</th>
<th>Male or All</th>
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<tbody>
<tr>
<td>Salicylate SerPl QN</td>
<td>10-30 mg/dL</td>
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</tr>
<tr>
<td>Cori</td>
<td>1.0-5.0 mcg/mL</td>
<td>25.0-40.0 mcg/mL</td>
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<td>Test Code</td>
<td>Test Name</td>
<td>Lower Limit</td>
</tr>
<tr>
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</tr>
<tr>
<td>693461</td>
<td>Sed Rate</td>
<td>0-15 mm/hr</td>
</tr>
<tr>
<td>693461</td>
<td></td>
<td>&gt;50 yrs</td>
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<tr>
<td>612087188</td>
<td>Silica Cloting Time</td>
<td>0.80-1.20</td>
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<tr>
<td>108951438</td>
<td>Sirolimus Bl QN</td>
<td>Undefined</td>
</tr>
<tr>
<td>693637</td>
<td>SMMSCL Ab IF QN</td>
<td>&lt;1.20</td>
</tr>
<tr>
<td>693463</td>
<td>Snv Fl Clnt</td>
<td>Clear</td>
</tr>
<tr>
<td></td>
<td>Appearance</td>
<td>The normal synovial TNC count ranges is &lt; 200 cells/cumm.</td>
</tr>
<tr>
<td>693463</td>
<td>TNC (WBC)</td>
<td>Neutrophil 0-24%</td>
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<td>693463</td>
<td>Crystal ID</td>
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<tr>
<td>686427</td>
<td>Sodium Bl QN</td>
<td>135-145 mmol/L</td>
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<td>686430</td>
<td>Sodium Fl QN</td>
<td>undefined mmol/L</td>
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<td>686433</td>
<td>Sodium SepPl QN</td>
<td>135-145 mmol/L</td>
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<td>686436</td>
<td>Sodium Ur Ran QN</td>
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<td>Sodium Ur Tm QN</td>
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<td>686445</td>
<td>Specific Gravity Fl QN</td>
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<td>692272</td>
<td>Specific Org CX</td>
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<td>3124795</td>
<td>Eclacot LA</td>
<td>&lt; 8.0 seconds</td>
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<td>692285</td>
<td>Sterility CX</td>
<td>no growth</td>
</tr>
<tr>
<td>692537</td>
<td>Stool CX</td>
<td>negative for Salmonella, Shigella, Campylobacter, and E. coli 0157:H7</td>
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<tr>
<td>693640</td>
<td>Strep Enzyme Ab</td>
<td>By report</td>
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<tr>
<td>686451</td>
<td>Suppl Nicu Pni</td>
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<tr>
<td>686457</td>
<td>Bilirubin Direct SepPl QN</td>
<td>0.0 - 0.2 mg/dL</td>
</tr>
<tr>
<td></td>
<td>Cholesterol SepPl QN</td>
<td>0-200 mg/dL</td>
</tr>
<tr>
<td></td>
<td>Magnesium SepPl QN</td>
<td>1.6-2.9 mg/dL</td>
</tr>
<tr>
<td></td>
<td>Phosphorus SepPl QN</td>
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</tr>
<tr>
<td></td>
<td>Triglyceride SepPl QN</td>
<td>0-150 mg/dL</td>
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<tr>
<td>686457</td>
<td>Sweat Chloride QN</td>
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<tr>
<td>702164869</td>
<td>Syphilis Treponemal IgG</td>
<td>Ab Index &lt;= 0.8 - Negative</td>
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<td>702164869</td>
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<td>Ab Index 0.9-1.0 - Equivocal</td>
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<tr>
<td>702164869</td>
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<td>Ab Index &gt;/= 1.1 - Positive</td>
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</table>
### Appendix 2

Indiana University Health Pathology Laboratory Normal Ranges

#### 693355 T Cell Subsets

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<thead>
<tr>
<th>Age</th>
<th>Male or All</th>
<th>Female</th>
<th>Critical</th>
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</thead>
<tbody>
<tr>
<td>0 - 12 yrs</td>
<td>0-100 ng/dL</td>
<td>0-100 ng/dL</td>
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</tr>
<tr>
<td>12 - 150 yrs</td>
<td>300-1000 ng/dL</td>
<td>25-125 ng/dL</td>
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#### 686480 T3 Free SerPl QN

<table>
<thead>
<tr>
<th>Age</th>
<th>Value</th>
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<tbody>
<tr>
<td>0 - 2 weeks</td>
<td>1.5-3.5 pg/mL</td>
</tr>
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</table>

#### 686532 T3 Total Ser QN

<table>
<thead>
<tr>
<th>Age</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1 day</td>
<td>52-179 ng/mL</td>
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#### 686463 T4 Free Direct SerPl QN

<table>
<thead>
<tr>
<th>Age</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1 day</td>
<td>0.6-1.5 ng/dL</td>
</tr>
</tbody>
</table>

#### 686487 T4 SerPl QN

<table>
<thead>
<tr>
<th>Age</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2 weeks</td>
<td>7.7-19.7 mcg/dL</td>
</tr>
<tr>
<td>2 weeks - 3 mo</td>
<td>5.9-13.5 mcg/dL</td>
</tr>
<tr>
<td>3 mo - 9 mo</td>
<td>5.6-12.9 mcg/dL</td>
</tr>
<tr>
<td>9 mo - 50 yrs</td>
<td>5.0-12.0 mcg/dL</td>
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#### 823427 T4 w TUptake SerPl

<table>
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<th>Age</th>
<th>Value</th>
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<tbody>
<tr>
<td>0 - 2 weeks</td>
<td>7.7-19.7 mcg/dL</td>
</tr>
<tr>
<td>2 weeks - 3 mo</td>
<td>5.9-13.5 mcg/dL</td>
</tr>
<tr>
<td>3 mo - 9 mo</td>
<td>5.6-12.9 mcg/dL</td>
</tr>
<tr>
<td>9 mo - 50 yrs</td>
<td>5.0-12.0 mcg/dL</td>
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#### 823427 FTI

| Value | 5.9-13.1 |

#### 686475 Testosterone Total Ser QN

<table>
<thead>
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<th>Age</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>0 - 12 yrs</td>
<td>0-200 ng/dL</td>
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<tr>
<td>12 - 150 yrs</td>
<td>300-1000 ng/dL</td>
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#### 686478 Theophylline SerPl QN

<table>
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<th>Age</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>0 - 30 days</td>
<td>5.0-12.0 mcg/mL</td>
</tr>
<tr>
<td>30 days - 150 yrs</td>
<td>5.0-15.0 mcg/mL</td>
</tr>
</tbody>
</table>

#### 693649 Toxo IgG EIA QN

| <4 IU/mL |

#### 693652 Toxo IgG IF QN

| <1:16 |

#### 693655 Toxo IgM IF QN

| <1:10 |

#### 686502 Total Complement Ser QN

| 392-1019 CH 100 Units/mL |

#### 686505 Total Protein SerPl QN

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<th>Value</th>
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<td>2-8.0 gm/dL</td>
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<td>3.6-7.2 gm/dL</td>
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<tr>
<td>5.0-7.1 gm/dL</td>
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<tr>
<td>6.4-8.0 gm/dL</td>
</tr>
<tr>
<td>6.7-8.2 gm/dL</td>
</tr>
<tr>
<td>6.4-8.0 gm/dL</td>
</tr>
</tbody>
</table>

#### 693649 Toxo IgG EIA QN

| <4 IU/mL |

#### 693652 Toxo IgG IF QN

| <1:16 |

#### 693655 Toxo IgM IF QN

| <1:10 |

#### 686520 Transferrin Ser QN

| 200-400 mg/dL |

#### 998968 TRH Stimulation Ser QN

| 0.4-4.2 uUL |

#### 998968 TSH Pre Dose

| At 20 minutes, TSH should be at least 5X the baseline TSH value |

#### 998968 TSH 20 Minutes Post

| At 60 minutes TSH should be less than the 20 minute result |

#### 998968 TSH 60 Minutes Post

| 0-1.6 |

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Current on 07/27/2017 350 W. 11th Street, Indianapolis, IN 46202 26 Red signifies change since last posting.
### Indiana University Health Pathology Laboratory Normal Ranges

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Male or All</th>
<th>Critical</th>
<th>Updated</th>
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<tr>
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<td>0.08-0.24 mg/dL</td>
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<tr>
<td>Sodium</td>
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<tr>
<td>Calcium</td>
<td>8-10 mg/dL</td>
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<tr>
<td>Cholesterol</td>
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<tr>
<td>Triglycerides</td>
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<td>Non-Esterified Cholesterol</td>
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<td>Total Cholesterol</td>
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<td>Uric Acid</td>
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<td>Urea</td>
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<tr>
<td>HDL</td>
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<td>LDL</td>
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<td>Chloride (mEq/L)</td>
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<td>Phosphate (mg/dL)</td>
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