Hepatitis B Virus

Hepatitis B Virus Surface Antigen (HBsAg)

Test Code(s):

HBsAg - Neutralization performed on Repeat Reactive samples
HBsAg (No Reflex) – No further testing performed

Manufacturer:
Bio-Rad Laboratories

Methodology:
EIA Screening

Specimen Requirements:

| Glass Tubes |
| Serum |
| Plasma (EDTA, sodium heparin, sodium citrate, CPDA-1 and ACD anticoagulants) |
| Plastic Tubes |
| Serum, serum separator tubes |
| Plasma (EDTA, lithium heparin, and sodium citrate) |

Specimen Volume:

(excluding the red cell volume)

Storage Instructions:

1.5 mL

- 2-8°C for up to 7 days
- ≤ -20°C after 7 days (specimens should be removed from the clot or red blood cells prior to freezing)
- 5 Freeze/Thaw cycles

Shipping Requirements:

Ship at ambient temperature (up to 37°C) or refrigerated (2-8°C) for up to 7 days. For transit times greater than 7 days, the serum or plasma must be removed from the clot or red blood cells and should be kept frozen (≤ -20°C).

Monday thru Saturday

CPT Code:
87340

Hepatitis B Virus Surface Antigen Neutralization (HBsAg Confirmatory)

Test Code:

HBsAg Neutralization

Manufacturer:
Bio-Rad Laboratories

Methodology:
EIA Confirmatory

Specimen Requirements:

| Glass Tubes |
| Serum |
| Plasma (EDTA, sodium heparin, sodium citrate, CPDA-1 and ACD anticoagulants) |
| Plastic Tubes |
| Serum, serum separator tubes |
| Plasma (EDTA, lithium heparin, and sodium citrate) |

Specimen Volume:

(excluding the red cell volume)

Storage Instructions:

1.0 mL

- 2-8°C for 7 days
- ≤ -20°C after 7 days (specimens should be removed from the red blood cells prior to freezing)
- 5 Freeze/Thaw cycles

Shipping Requirements:

Ship at ambient temperature (up to 37°C) or refrigerated (2-8°C) for up to 7 days, and upon arrival should be stored at 2-8°C. For transit times greater than 7 days, the serum or plasma must be removed from the clot or red blood cells and should be kept frozen, (≤ -20°C).

Monday/Tuesday, Wednesday, Friday

CPT Code:
87341

Hepatitis B Virus – continued
<table>
<thead>
<tr>
<th>Test Code:</th>
<th>Specimen Requirements:</th>
<th>Specimen Volume: (excluding the red cell volume)</th>
<th>Storage Instructions:</th>
<th>Shipping Requirements:</th>
<th>Days Set Up:</th>
<th>CPT Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody to Hepatitis B Virus</td>
<td>Serum, Plasma (EDTA or NA and Li heparin)</td>
<td>100 μL</td>
<td>• Specimens should be centrifuged within 24 hours of collection.</td>
<td>Specimens should be removed from the red blood cells and shipped frozen.</td>
<td>Monday thru Friday</td>
<td>86317</td>
</tr>
<tr>
<td>Surface Antigen</td>
<td></td>
<td></td>
<td>• 2-8°C for up to 7 days</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Anti-HBs)</td>
<td></td>
<td></td>
<td>• ≤ -20°C after 3 days (specimens should be removed from the red blood cells prior to freezing)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sent to ViroMed for testing</td>
<td></td>
<td></td>
<td>• Avoid Multiple Freeze/Thaw cycles</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test Code:</th>
<th>Specimen Requirements:</th>
<th>Specimen Volume: (excluding the red cell volume)</th>
<th>Storage Instructions:</th>
<th>Shipping Requirements:</th>
<th>Days Set Up:</th>
<th>CPT Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody to Hepatitis B Core</td>
<td>Serum, SST (plastic or glass)</td>
<td>0.5 mL</td>
<td>• 24 hours at Room Temperature (15-28°C)</td>
<td>Specimens may be shipped at ambient temperature (up to 37°C) or refrigerated (2-8°C) for up to 7 days.</td>
<td>Monday thru Saturday</td>
<td>86704</td>
</tr>
<tr>
<td>Antigen, Total</td>
<td></td>
<td></td>
<td>• 2-8°C for up to 10 days</td>
<td>For transit times greater than 7 days, the serum or plasma must be removed from the red blood cells and shipped frozen (≤ -20°C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Anti-HBc Total)</td>
<td></td>
<td></td>
<td>• ≤ -20°C after 10 days but no longer than 4 weeks (specimens should be removed from the red blood cells prior to freezing)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Code:</td>
<td></td>
<td></td>
<td>• 5 Freeze/Thaw cycles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anti-HBc Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Manufacturer:** Siemens Healthcare Diagnostics Inc.

**Methodology:** Direct, chemiluminometric technology

**Manufacturer:** Ortho-Clinical Diagnostics, Inc.

**Methodology:** EIA Screening
**Hepatitis B Virus – continued**

<table>
<thead>
<tr>
<th>Antibody to Hepatitis B Core Antigen IgM (Anti-HBc IgM)</th>
<th>Specimen Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sent to ViroMed for testing</strong></td>
<td>• Serum</td>
</tr>
<tr>
<td>Test Code: <strong>IMMULITE Anti-HBc IgM</strong></td>
<td>• Plasma (EDTA) Do not use hemolyzed or heat-inactivated specimens</td>
</tr>
<tr>
<td>Manufacturer: Siemens Healthcare Diagnostics Inc.</td>
<td>NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.</td>
</tr>
<tr>
<td>Methodology: Immunochemiluminometric assay (ICMA)</td>
<td><strong>Specimen Volume:</strong> (excluding the red cell volume)</td>
</tr>
</tbody>
</table>

**Specimen Volume:** 1.0 mL

**Storage Instructions:**
- 2 days at Room Temperature (15-28°C)
- 2-8°C for 3 days
- -20°C after 3 days (specimens should be removed from the red blood cells prior to freezing)
- 2 Freeze/Thaw cycles
- Specimens which are not tested within 24 hours should be removed from the cells

**Shipping Requirements:** Specimens should be removed from the cells prior to shipping. Specimens may be shipped at 2-8°C for up to 3 days. For transit times greater than 3 days, the specimen should be kept frozen at ≤ -20°C.

**Days Set Up:** Sunday thru Friday

**CPT Code:** 86705
### Hepatitis C Virus

#### Antibody to Hepatitis C Virus (Anti-HCV)

**Test Code(s):**
- Anti-HCV - Repeat Reactive samples sent out for a PRISM HCV
- Anti-HCV (No Reflex) - No further testing performed

**Manufacturer:** Ortho-Clinical Diagnostics, Inc.

**Methodology:** EIA Screening

**Specimen Requirements:**
- Serum, SST
- Plasma (EDTA, lithium heparin, CPD, CP2D, CPDA-1, ACD or 4% citrate anticoagulants)

**Specimen Volume:** (excluding the red cell volume)
- 1.0 mL

**Storage Instructions:**
- 2-8°C for 10 days
- ≤ -20°C after 10 days (no longer than 4 weeks; specimens should be removed from the red blood cells prior to freezing)
- 5 Freeze/Thaw cycles

**Shipping Requirements:**
Specimens may be shipped at ambient temperature (up to 37°C) or refrigerated (2-8°C) for up to 7 days. For transit times greater than 7 days, the serum or plasma must be removed from the clot or red blood cells and should be kept frozen (≤ -20°C)

**Days Set Up:**
- Monday thru Saturday

**CPT Code:**
- 86803

#### Antibody to Hepatitis C Virus (Anti-HCV) Alternate Methodology

**Test Code:**
- PRISM HCV

**Manufacturer:** Abbott Laboratories

**Methodology:** Abbott PRISM HCV (ChLIA)

**Specimen Requirements:**
- Serum, SST
- Plasma (EDTA, potassium oxalate, sodium citrate, ACD-A, ACD-B, CPD, CPDA-1 anticoagulants or collected from segmented tubing)

**Specimen Volume:** (excluding the red cell volume)
- 3.0 mL Serum, 6.0 mL Plasma

**Storage Instructions:**
- 2-8°C for up to 14 days
- ≤ -20°C after 14 days (specimens should be removed from the red blood cells prior to freezing)

**Shipping Requirements:**
Specimens may be shipped at ≤ 30°C for up to 7 days. If shipping the sample frozen, remove the serum or plasma from the clot or red blood cells prior to shipping.

**Days Set Up:**
- Monday thru Saturday

**CPT Code:**
- 86803

### Human Immunodeficiency Virus (HIV)

#### Antibody to Human Immunodeficiency Viruses Type 1

**Specimen Requirements:**
- Serum, SST
- Plasma (EDTA, sodium & lithium heparin, sodium citrate, CPD, CPDA-1, and ACD)

**NOTE:** Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.
<table>
<thead>
<tr>
<th>Test Code(s):</th>
<th>Specimen Volume: (excluding the red cell volume)</th>
<th>Storage Instructions:</th>
<th>Shipping Requirements:</th>
<th>Days Set Up:</th>
<th>CPT Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-HIV-1,2+O – Western Blot performed on Repeat Reactive samples</td>
<td>600µL</td>
<td>2-8°C for 7 days</td>
<td>Specimens may be shipped refrigerated (2-8°C) or at ambient temperature (≤ 37 °C) for up to 7 days. For shipments that are in transit for more than 7 days, the serum or plasma must be removed from the clot or red blood cells and kept frozen, (≤ -20°C).</td>
<td>Monday thru Saturday</td>
<td>86703</td>
</tr>
<tr>
<td>Anti-HIV-1,2+O (No Reflex) – No further testing performed</td>
<td></td>
<td>≤ -20°C after 7 days (specimens should be removed from the red blood cells prior to freezing)</td>
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<tr>
<td></td>
<td></td>
<td>5 Freeze/Thaw cycles</td>
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</tr>
<tr>
<td>Antibody to Human Immunodeficiency Virus Type 2 (Anti-HIV-2)</td>
<td>200 µL</td>
<td>2-8°C for 7 days</td>
<td>Specimens may be shipped refrigerated (2-8°C) for up to 7 days. For transit times greater than 7 days, the serum or plasma must be removed from the clot or red blood cells and kept frozen (≤ -15°C).</td>
<td>Monday/Tuesday, Wednesday, Friday</td>
<td>86702</td>
</tr>
<tr>
<td>Test Code(s):</td>
<td>Specimen Requirements:</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Anti-HIV-2 – HIV-2 Immunoblot performed on Repeat Reactive samples</td>
<td>Serum, Plasma</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Anti-HIV-2 (No Reflex) – No further testing performed</td>
<td>Do not use specimens collected with gel separators</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.</td>
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<tr>
<td>Manufacturer:</td>
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<tr>
<td>Bio-Rad Laboratories</td>
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</tr>
<tr>
<td>Methodology:</td>
<td>EIA Screening</td>
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</tbody>
</table>
Antibody to Human Immunodeficiency Virus Type 1 Western Blot (HIV-1 Western Blot)

Test Code: HIV-1 Western Blot

Manufacturer: Bio-Rad Laboratories

Methodology: Western Blot

Specimen Requirements:
- Serum
- Plasma (EDTA, heparin, sodium citrate, CPDA-1, and ACD)
- Do not use specimens collected with gel separators

NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.

Specimen Volume: 100 μL

Storage Instructions:
- 2-8°C for 7 days
- ≤ -20°C after 7 days (specimens should be removed from the red blood cells prior to freezing)
- 5 Freeze/Thaw cycles

Shipping Requirements:
Specimens may be shipped refrigerated (2-8°C) or at ambient temperature (≤ 37 ºC) for up to 7 days. For shipments that are in transit for more than 7 days, the serum or plasma must be removed from the clot or red blood cells and should be kept frozen, (≤ -20°C).

Days Set Up: Monday/Tuesday, Wednesday, Friday

CPT Code: 86689

Antibody to Human Immunodeficiency Virus Type 2 Immunoblot (HIV-2 Immunoblot)

Test Code: HIV-2 Immunoblot

Manufacturer: Laboratory developed assay using analyte specific reagents

Specimen Requirements:
- Serum
- EDTA Plasma

NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.

Specimen Volume: 100 μL

Storage Instructions:
- 2-8°C for up to 7 days
- ≤ -20°C after 7 days (specimens should be removed from the red blood cells prior to freezing)

Shipping Requirements:
Specimens may be shipped refrigerated (2-8°C) for up to 7 days. For shipments that are in transit for more than 7 days, the serum or plasma must be removed from the clot or red blood cells and should be kept frozen (≤ -20°C).

Days Set Up: Tuesday, Thursday, Saturday

CPT Code: 86689

Human T-Lymphotropic Virus (HTLV)

## Antibody to Human T Lymphotropic Virus Type I and II (Anti-HTLV I/II)

**Test Code(s):**
- Avioq HTLV-I/II (Blot Reflex) - Repeat Reactive samples sent out for a MPD HTLV Blot 2.4
- Avioq HTLV-I/II (No Reflex) - No further testing performed

**Manufacturer:** Avioq, Inc.

**Methodology:**
- EIA Screening

### Specimen Requirements:

- **Specimen Volume:** (excluding the red cell volume)
  - 0.5 mL

### Storage Instructions:

- 2-8°C for 14 days
- ≤ -20°C after 14 days (specimens should be removed from the red blood cells prior to freezing)
- 1 Freeze/Thaw cycle

### Shipping Requirements:

Specimens may be shipped at ambient temperature, refrigerated (2-8°C) or frozen (≤ -20°C). Prior to freezing, serum or plasma must be removed from the clot or red blood cells.

**Days Set Up:**
- Monday thru Saturday

**CPT Code(s):**
- 86687 / 86688

## Antibody to Human T Lymphotropic Virus Type I and II Western Blot (MPD HTLV Blot 2.4)

**Test Code:**
- HTLV Blot 2.4

**Manufacturer:** MP Biomedicals

**Methodology:**
- Western Blot

- Sent to ViroMed for testing

### Specimen Requirements:

- **Specimen Volume:** (excluding the red cell volume)
  - 0.5 mL

### Storage Instructions:

- 2-8°C for 7 days
- ≤ -20°C after 7 days
- Up to 5 freeze / thaw cycles

### Shipping Requirements:

Specimens may be shipped at 2-8°C for a period not to exceed 7 days if removed from clot or cells. ≤ -20°C or colder if the test is delayed for more than 7 days.

**Days Set Up:**
- Wednesday and Friday

**CPT Code(s):**
- 86689

## Trypanosoma cruzi (T.cruzi)
### Antibody to Trypanosoma cruzi (Anti-T.cruzi)

**Test Code(s):**  
*Anti-T.cruzi (ESA Reflex)*- Repeat Reactive samples sent out for a Abbott ESA Chagas  
*Anti-T.cruzi (No Reflex)* - No further testing performed  

**Manufacturer:**  
Ortho-Clinical Diagnostics, Inc  

**Methodology:**  
EIA Screening  

<table>
<thead>
<tr>
<th>Specimen Requirements:</th>
</tr>
</thead>
</table>
| Serum, SST  
| Plasma (EDTA, lithium heparin, CPD, CP2D, CPDA-1, ACD or 4% citrate anticoagulants)  
| NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.  
|  
| Specimen Volume: (excluding the red cell volume) |  
| 1.0 mL  
|  
| Storage Instructions: |  
| Up to 37°C for 24 hours  
| 2-8°C for 10 days  
| ≤ -20°C after 10 days up to 4 weeks with up to 5 Freeze/Thaw cycles  
| Can be stored for 6 months with 1 freeze/thaw cycle  
|  
| Shipping Requirements: |  
| Specimens may be shipped at ambient temperature (up to 37°C) or refrigerated (2-8°C) for up to 7 days, and upon arrival should be stored at 2-8°C. For transit times greater than seven days, the serum or plasma must be removed from the clot or red blood cells and should be kept frozen, (≤ -20°C).  
|  
| Days Set Up: | Monday thru Saturday  
| CPT Code: | 86753  

### Trypanosoma cruzi (E coli, Recombinant) Antigen (Abbott ESA Chagas)

**Test Code:**  
*Abbott ESA Chagas*  

**Manufacturer:**  
Abbott Laboratories  

**Methodology:**  
Enzyme Strip assay  

<table>
<thead>
<tr>
<th>Specimen Requirements:</th>
</tr>
</thead>
</table>
| Serum, SST  
| Plasma (EDTA, potassium oxalate, sodium citrate, ACD-A, ACD-B, CP2D, CPD, or CPDA-1 anticoagulants or collected from segmented tubing)  
| Do not use specimens collected in heparin  
| NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.  
|  
| Specimen Volume: (excluding the red cell volume) |  
| 1.0 mL  
|  
| Storage Instructions: |  
| 30°C or colder for up to 7 days  
| 2-8°C or -20°C or colder for up to, but may not exceed, 14 days (specimens should be removed from the red blood cells prior to freezing)  
| Specimens may be shipped at 30°C or colder for up to 7 days, or 2-8°C or -20°C or colder for up to 14 days. Prior to freezing, serum or plasma must be removed from the clot or red blood cells.  
|  
| Shipping Requirements: |  
| Monday thru Saturday  
| CPT Code: | 86753  

### Serologic Test for Syphilis (STS)
### PK Treponema Pallidum System for detection of Syphilis (Syphilis MHA-TP)

**Test Code:** Syphilis MHA-TP  
**Manufacturer:** Fujirebio Diagnostics Inc.  
**Methodology:** Microhemagglutination  

| Specimen Requirements: | • Samples collected in a tube containing a neutral gel separator are NOT acceptable. (False positive results may occur.)  
| | • Plasma (EDTA)  
| | • Serum  
| | NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.  
| Specimen Volume: (excluding the red cell volume) | 2.0 mL  
| Storage Instructions: | • 2-8°C - up to 5 days (Plasma cannot be used after 5 days)  
| | • ≤ -20°C after 5 days (Serum should be removed from the clot prior to freezing)  
| | • Avoid repeat Freeze/Thaw cycles  
| Shipping Requirements: | Serum should be removed from the clot within 5 days from collection and ship frozen.  
| Days Set Up: | Monday thru Saturday  
| CPT Code: | 86780 – STS – Treponema Pallidum  

### Captia Syphilis (T.Pallidum)-G  

**NOTE:** used as a supplemental test for Repeat Reactive Blood donors ONLY  

**Test Code:** CAPTIA Syphilis TPALL  
**Manufacturer:** Trinity Biotech  
**Methodology:** Enzyme immunoassay  

| Specimen Requirements: | • Serum  
| | • Plasma (EDTA, Citrated)  
| | NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.  
| Specimen Volume: (excluding the red cell volume) | 0.5 mL  
| Storage Instructions: | Serum:  
| | • 2-8°C - up to 5 days  
| | • ≤ -20°C after 5 days (specimens should be removed from the clot or red blood cells prior to freezing)  
| | Plasma:  
| | • 2-8°C - up to 48 hours (Do not freeze plasma)  
| Shipping Requirements: | Serum may be shipped ambient, refrigerated (2-8°C), or frozen. Plasma may be shipped refrigerated (2-8°C)  
| Days Set Up: | Monday thru Saturday  
| CPT Code: | 86780 – STS – Treponema Pallidum  

|
### Nucleic Acid Testing (NAT)

**COBAS MPX Test (HIV/HCV/HBV PCR)**

**Test Code(s):**

MPXP – Test result reports will include three separate test results for the individual assays HCV PCR, HBV PCR and HIV PCR.

This test is for the eligibility determination of Donors of blood and blood components and human cells, tissues and cellular tissue based products (HCT/Ps).

This test is not intended to be used for routine clinical or diagnostic evaluation.

**Manufacturer:**

Roche Molecular Systems, Inc.

**Methodology:**

RNA and DNA Polymerase Chain Reaction

| Specimen Requirements:                  | • Plasma (EDTA*, CPD, CPDA-1, CP2D, and 4% Sodium Citrate), PPT  
                                          | NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.  
                                          | • If specimen will not be received by the testing laboratory within 72 hours of collection, specimen must be removed from the red blood cells prior to shipment. |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Specimen Volume:                         | 1 full 7 mL EDTA plasma tube                                                                                                   |
| Storage Instructions:                    | Specimens should be removed from the red blood cells prior to freezing.                                                         |
|                                          | EDTA only  
                                          | • 2-30°C for 24 hours followed by 48 hours at 2-25 °C OR 3 days at 2-25 °C  
                                          | • 2-8°C for 12 days  
                                          | • ≤ -18°C for days 12 months  
                                          | • 3 Freeze/Thaw cycles |
| Shipping Requirements:                   | Plasma samples should be shipped within the storage specifications.                                                             |
| Days Set Up:                             | Monday thru Saturday                                                                                                           |
| CPT Code(s):                             | HIV PCR – 87535  
                                          | HCV PCR – 87521  
                                          | HBV PCR – 87516 |

**Nucleic Acid Testing (NAT) - Continued**
### COBAS WNV Test (WNV PCR)

**Test Code:**
WNV PCR

This test is for the eligibility determination of Donors of blood and blood components and human cells, tissues and cellular tissue based products (HCT/Ps).

**Manufacturer:**
Roche Molecular Systems, Inc.

**Methodology:**
RNA Polymerase Chain Reaction

**Specimen Requirements:**
- Plasma (EDTA*, CPD, CPDA-1, CP2D, ACD-A and 4% Sodium Citrate), PPT
*EDTA is the recommended specimen, the other anticoagulants have more stringent storage requirements that are difficult to comply with when shipping specimens for testing. Please call the lab for the requirement if needed.

**Specimen Volume:**
1 full 7 mL EDTA plasma tube

**Storage Instructions:**
- EDTA only
- Specimens should be removed from the red blood cells prior to freezing.
- 2-30°C for 24 hours followed by 48 hours at 2-25 ºC OR 3 days at 2-25 ºC
- 2-8ºC to 12 days
- ≤ -18ºC for 12 months
- 3 Freeze/Thaw cycles

**Shipping Requirements:**
EDTA plasma samples should be shipped within the storage specifications.

**Days Set Up:**
Monday thru Saturday

**CPT Code:**
87798

### COBAS ZIKA Test (ZIKA PCR)

**Test Code:**
ZIKA PCR

This test is for the eligibility determination of Donors of blood and blood components and human cells, tissues and cellular tissue based products (HCT/Ps).

**Manufacturer:**
Roche Molecular Systems, Inc.

**Methodology:**
RNA Polymerase Chain Reaction

**Specimen Requirements:**
- Plasma (EDTA, CP2D), PPT

**Specimen Volume:**
1 full 7 mL plasma tube

**Storage Instructions:**
- Specimens should be removed from the red blood cells prior to freezing.
- 2-30°C for 24 hours followed by 48 hours at 2-25 ºC OR 3 days at 2-25 ºC
- 2-8ºC to 5 days
- ≤ -18ºC for 30 days
- 2 Freeze/Thaw cycles

**Shipping Requirements:**
Samples should be shipped within the storage specifications.

**Days Set Up:**
Monday thru Saturday

**CPT Code:**
87662

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**Nucleic Acid Testing (NAT) - Continued**
<table>
<thead>
<tr>
<th>COBAS Babesia Test (Babesia PCR)</th>
<th>Specimen Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note: Blood Donors only</td>
<td>• Whole Blood (7.7 mL Whole Blood Collection Tube).</td>
</tr>
<tr>
<td>This test is for the eligibility determination of Donors of blood and blood components.</td>
<td>NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing.</td>
</tr>
<tr>
<td>This test is not intended to be used for routine clinical or diagnostic evaluation.</td>
<td></td>
</tr>
<tr>
<td>Manufacturer: Roche Molecular Systems, Inc.</td>
<td></td>
</tr>
<tr>
<td>Methodology: RNA and DNA Polymerase Chain Reaction</td>
<td></td>
</tr>
<tr>
<td>Specimen Volume: 1 full 7.7 mL Whole Blood Tube</td>
<td></td>
</tr>
<tr>
<td>Storage Instructions:</td>
<td>• 2-30°C for 24 hours followed by 48 hours at 2-25 ºC  OR 3 days at 2-25 ºC</td>
</tr>
<tr>
<td>Shipping Requirements:</td>
<td>• 2-8°C up to 60 days post collection</td>
</tr>
<tr>
<td>Days Set Up:</td>
<td>Samples should be shipped within the storage specifications.</td>
</tr>
<tr>
<td>CPT Code:</td>
<td>Monday thru Saturday</td>
</tr>
<tr>
<td><strong>Cytomegalovirus (CMV)</strong></td>
<td><strong>Specimen Requirements:</strong></td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------------</td>
</tr>
</tbody>
</table>
| **Antibody to Cytomegalovirus (Anti-CMV Total (IgG+IgM Antibody))** | • Serum – Samples collected in a tube containing a neutral gel separator are NOT acceptable. (False positive results may occur.)  
  • Plasma (EDTA)  
  NOTE: Specimens collected with an improper ratio of specimen to anticoagulant cannot be used for testing. |
| **Test Code(s):** | |
| CMV Total (IgG / IgM Reflex) — CMV IgG and CMV IgM are performed on reactive samples | |
| CMV Total (IgM Reflex) — CMV IgM is performed on reactive samples | |
| CMV Total (No Reflex) — No further testing is performed | |
| **Manufacturer:** | Fujirebio Diagnostics Inc. |
| **Methodology:** | Passive Particle agglutination – automated |
| **Specimen Volume:** | 1.0 mL |
| (excluding the red cell volume) | |
| **Storage Instructions:** | |
| 15-30°C for 3 days (Serum, EDTA) | |
| 2-8°C for 5 days (Serum, EDTA) | |
| 2-8°C for up to 14 days , serum only | |
| ≤ -20°C after 14 days, serum only (specimens should be removed from the clot or red blood cells prior to freezing) | |
| Avoid repeat Freeze/Thaw cycles | |
| **Shipping Requirements:** | Samples should be shipped within the storage specifications. |
| **Days Set Up:** | Monday thru Saturday |
| **CPT Code:** | 86644 |
### Cytomegalovirus (CMV) - continued

<table>
<thead>
<tr>
<th><strong>Cytomegalovirus IgM Antibody (Anti-CMV IgM)</strong></th>
<th>Specimen Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test Code:</strong> CMV IgM EIA</td>
<td>• Serum</td>
</tr>
<tr>
<td><strong>Manufacturer:</strong> Bio-Rad Laboratories</td>
<td>• Do not use specimens collected with gel separators</td>
</tr>
<tr>
<td><strong>Methodology:</strong> EIA</td>
<td>0.5 mL</td>
</tr>
<tr>
<td><strong>Specimen Volume:</strong> (excluding the red cell volume)</td>
<td>The serum should be removed from the clot.</td>
</tr>
<tr>
<td><strong>Storage Instructions:</strong></td>
<td>• 2-8°C for 48 hours</td>
</tr>
<tr>
<td></td>
<td>• ≤ -20°C after 48 hours</td>
</tr>
<tr>
<td></td>
<td>• Avoid multiple Freeze/Thaw cycles</td>
</tr>
<tr>
<td><strong>Shipping Requirements:</strong></td>
<td>Samples should be shipped within the storage specifications.</td>
</tr>
<tr>
<td><strong>Days Set Up:</strong></td>
<td>Monday, Wednesday, Friday</td>
</tr>
<tr>
<td><strong>CPT Code:</strong></td>
<td>86645</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Cytomegalovirus IgG Antibody (Anti-CMV IgG)</strong></th>
<th>Specimen Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test Code:</strong> CMV IgG EIA</td>
<td>• Serum</td>
</tr>
<tr>
<td><strong>Manufacturer:</strong> Bio-Rad Laboratories</td>
<td>• Do not use specimens collected with gel separators</td>
</tr>
<tr>
<td><strong>Methodology:</strong> EIA</td>
<td>0.5 mL</td>
</tr>
<tr>
<td><strong>Specimen Volume:</strong> (excluding the red cell volume)</td>
<td>The serum should be removed from the clot.</td>
</tr>
<tr>
<td><strong>Storage Instructions:</strong></td>
<td>• 2-8°C for 48 hours</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
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</tr>
<tr>
<td><strong>Shipping Requirements:</strong></td>
<td>Samples should be shipped within the storage specifications.</td>
</tr>
<tr>
<td><strong>Days Set Up</strong></td>
<td>Monday, Wednesday, Friday</td>
</tr>
<tr>
<td><strong>CPT Code:</strong></td>
<td>86644</td>
</tr>
</tbody>
</table>
### Miscellaneous

#### Blood Type
*(ABO Rh - Blood Type)*

**Test Code:**
*Blood Type*

**Manufacturer(s):**
Fujirebio Diagnostics Inc. - Primary method

Immucor, Inc. – Backup method

**Methodology:**
Agglutination

**Specimen Requirements:**
- Plasma whole blood (EDTA)

**Specimen Volume:**
1 full 7 mL EDTA plasma tube (automated)

**Storage Instructions:**
- 2-8°C for 5 days (automated)
- Do NOT freeze samples

**Shipping Requirements:**
Samples should be shipped within the storage specifications.

**Days Set Up:**
Monday thru Saturday

**CPT Code(s):**
- ABO – 86900
- Rh – 86901

#### Chlamydia trachomatis
*(Chlamydia)*

**Test Code:**
*GP Chlamydia*

**Manufacturer:**
Hologic (Gen-Probe, Inc.)

**Methodology:**
APTIMA Combo 2 Assay

**Specimen Requirements:**
- Urine, Endocervical Swab / Urethral Swab (APTIMA collection device supplied)

**Specimen Volume:**
The sample MUST fall in between the black fill lines of the transport tube.

**Storage Instructions:**
- Urine: 2-30° C for up to 30 days, store at -20° C to -70° C for up to 12 months in transport tube
- Swab: 2-30° C for 60 days, or -20° C to -70° C for up to 6 months

**Shipping Requirements:**
- Urine: Transport at 2-30° C within 30 days of collection
- Swab: Transport at 2-30° C within 60 days of collection

**Days Set Up:**
Daily

**CPT Code:**
87491

#### Neisseria Gonorrhoeae
*(Gonorrhea)*

**Test Code:**
*GP Gonorrhoeae*

**Manufacturer:**
Hologic (Gen-Probe, Inc.)

**Methodology:**
APTIMA Combo 2 Assay

**Specimen Requirements:**
- Urine, Endocervical Swab / Urethral Swab (APTIMA collection device supplied)

**Specimen Volume:**
The sample MUST fall in between the black fill lines of the transport tube.

**Storage Instructions:**
- Urine: 2-30° C for up to 30 days, store at -20° C to -70° C for up to 12 months in transport tube
- Swab: 2-30° C for 60 days, or -20° C to -70° C for up to 6 months

**Shipping Requirements:**
- Urine: Transport at 2-30° C within 30 days of collection
- Swab: Transport at 2-30° C within 60 days of collection

**Days Set Up:**
Daily

**CPT Code:**
87591
### Miscellaneous - continued

#### Detection of Red Cell Antibodies (Red Cell Antibody)
**Sent to the MBC Reference Lab for ID if positive (if requested)**

<table>
<thead>
<tr>
<th>Test Code:</th>
<th><strong>Red Cell Antibody Screen</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manufacturer:</strong></td>
<td>Immucor, Inc.</td>
</tr>
<tr>
<td><strong>Methodology:</strong></td>
<td>Capture-R Ready Screen – solid phase - automated</td>
</tr>
</tbody>
</table>

**Specimen Requirements:**
- Serum – Samples collected in a tube containing a neutral gel separator are NOT acceptable.
- Plasma (EDTA, ACD, CPD, CPDA-1, CP2D)

**Specimen Volume:** 1.0 mL

**Storage Instructions:**
- 1-10°C for 7 days
- ≤-20°C after 7 days

**Shipping Requirements:** Shipping conditions not specified.

**Days Set Up:** Monday thru Saturday

**CPT Code(s):**
- 86850 (Screen)
- 86870 (Aby ID)

#### Sickle Heme Sickle Cell Test (Sickle Cell Screen – Hemoglobin S)
**Sent to the MBC Reference Lab for testing**

<table>
<thead>
<tr>
<th>Test Code:</th>
<th><strong>Sickle Cell Screen</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manufacturer:</strong></td>
<td>MichClone Associates, Inc.</td>
</tr>
<tr>
<td><strong>Methodology:</strong></td>
<td>Hemoglobin Solubility</td>
</tr>
</tbody>
</table>

**Specimen Requirements:**
- Plasma (EDTA, CPD or donor unit segment)

**Specimen Volume:** 1 full 7mL EDTA tube

**Storage Instructions:**
- 2-8°C for up to 4 weeks following collection.

**Shipping Requirements:** Shipping conditions not specified.

**Days Set Up:** Monday thru Friday

**CPT Code:** 85660

#### HLA Class I/II Antibody
**Sent to the MBC Reference Lab for testing**

<table>
<thead>
<tr>
<th>Test Code:</th>
<th><strong>HLA Class I/II Antibody Screen</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manufacturer:</strong></td>
<td>One Lambda Inc.</td>
</tr>
<tr>
<td><strong>Methodology:</strong></td>
<td>Flow Cytometry</td>
</tr>
</tbody>
</table>

**Specimen Requirements:**
- Serum or Plasma (EDTA, or ACD)

**Specimen Volume:** 1.0 mL

**Storage Instructions:**
- Unopened blood specimens may be kept at room temperature up to 4 days. Separated serum or plasma may be refrigerated up to 7 days, or aliquots may be frozen at -20°C or below.

**Shipping Requirements:**
- 1-10 C; if separated and frozen, must ship frozen and must be received frozen. (Aggregates should be removed from the test serum/plasma by centrifugation (6,000-10,000 g for 10 mins).

**Days Set Up:** Monday thru Friday

**CPT Code:** 86807