**Nucleic Acid Testing for Hepatitis C, Human Immunodeficiency Virus, Hepatitis B, WNV, and Zika**

| Test | Maximum Sample Age | Acceptable Sample Type | Method | Comments |
| --- | --- | --- | --- | --- |
| **cobas® Multiplex(HCV/HIV/HBV)**6800/8800 Systems | * Donor samples may be stored at 2-25°C for up to 72 hours. Of the 72 hours, 24 hours may be at 2-30°C. Samples must be centrifuged within 72 hours of collection.
* Samples that are centrifuged and placed into storage at 2-8°C within 72 hours are acceptable for testing for up to 12 days (plasma) or 7 days (serum) from collection.
* After 12 days, plasma from a plain EDTA may be frozen for 12 months. Plasma from a BD PPT or serum separated from cells may be frozen for 30 days. Frozen storage is at ≤ 18°C with up to three freeze/thaw cycles.
 | * BD or Greiner (plain) EDTA
* BD EDTA PPT
* BD or Greiner (plain) Red top clot tube
 | Nucleic Acid Testing | *Method used for samples collected from living donors**1 Full Unopened 6 or 7 mL EDTA or Red Clot Tube required* |
| cobas® TaqScreen Multiplex Test, Version 2.0**(HCV/HIV/HBV)** | * May be stored at 2-30°C up to 24 hours, followed by another 24 hours at 2-25°C prior to serum separation. Serum must be separated from cells for storage beyond 48 hours.
* Separated serum may be stored for up to 8 days at 2-8°C., or for 30 days at ≤ 18°C. May be thawed up to 3 times**.**
 | * BD or Greiner (plain) Red top clot tube
 | Nucleic Acid Testing | *Method used for samples collected post mortem**1 Full Unopened 6 or 7 mL Red Clot Tube required* |
| **cobas® WNV**6800/8800 Systems | * Donor samples may be stored at 2-25°C for up to 72 hours. Of the 72 hours, 24 hours may be at 2-30°C. Samples must be centrifuged within 72 hours of collection.
* Samples that are centrifuged and placed into storage at 2-8°C within 72 hours are acceptable for testing for up to 12 days from collection.
* After 12 days, plasma from a plain EDTA or a BD PPT may be frozen for 30 days. Frozen storage is at ≤ 18°C. with up to three freeze/thaw cycles.
 | * BD or Greiner (plain) EDTA
* BD EDTA PPT
 | Nucleic Acid Testing for West Nile Virus | *1 Full Unopened 6 or 7 mL EDTA Tube required* |
| **cobas® Zika virus Nucleic Acid Testing**6800/8800 Systems | * Up to 7 days total when collected in a PPT. Centrifuge the samples per tube manufacturer’s instructions within 72 hours from collection.
* For 72 hours of the 7 days, samples may be stored at up to 25 °C; additionally, 24 hours of the 72 hours may be stored at up to 30 °C. After 72 hours, samples must be stored at 2-8 °C. for up to 7 days since collection.
 | * BD EDTA PPT
 | cobas® 6800/ 8800 Systems | *1 Full 6 or 7 mL EDTA/PPT required.* |
| **cobas® Zika virus Nucleic Acid Testing**6800/8800 Systems (cont.) | * Up to 5 days total before freezing when collected in a plain EDTA.
* For 72 hours of the 5 days, samples may be stored at up to 25 °C; additionally 24 hours of the 72 hours may be stored at up to 30 °C.
* Within 72 hours, centrifuge the sample, aliquot the plasma, and store at 2-8 °C.
* At 5 days from collection, plasma must be stored at ≤ 18 °C for up to an additional 30 days with 2 freeze/thaw cycles.
 | * BD or Greiner (plain) EDTA
 | cobas® 6800/ 8800 Systems | *1 Full 6 or 7 mL EDTA/PPT required.* |