

Section 3: V9 / NCS Forms**Biospecimen Collection Form: FORM CODE=BIO9 VERSION=0100****Instructions:** This form documents the obtaining and processing of biospecimen samples (urine, blood) collected from the participant.

| <i>Vers</i> | | <i>Vers</i> |
|-------------|--------------|--------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2093 | 0100 | |

| <i>VISIT</i> | | <i>VISIT</i> |
|--------------|--------------|--------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2093 | V9 | |

| <i>Occurrence</i> | | <i>Occurrence</i> |
|-------------------|--------------|--------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2093 | 1 | |

| <i>BIO0b</i> | | <i>Staff ID</i> |
|--------------|--------------|--------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | Present | Text suppressed |
| 12 | | Missing |

| <i>BIO0c</i> | | <i>Selected for Additional Phantom Tube</i> |
|--------------|--------------|---|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1430 | No | |
| 652 | Yes | |
| 11 | | Missing |

| <i>BIO1</i> | | <i>Urine Sample Collected</i> |
|-------------|--------------|-------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 153 | N | N=No |
| 1925 | Y | Y=Yes |
| 15 | | Missing |

| <i>BIO2</i> | | <i>Time of Urine Sample</i> |
|-------------|--------------|-----------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1924 | Range | 7:48:00 - 17:00:00 |
| 157 | .S | Legitimately skipped |
| 12 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO3</i> | | <i>Volume Adequate for Processing</i> |
|-------------|--------------|---------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 34 | B | B=Yes (< 10mL but at least 5 mL) |
| 11 | N | N=No (< 5 mL, discard) |
| 1880 | Y | Y=Yes (>= 10mL) |
| 157 | ~ | Legitimately skipped |
| 11 | | Missing |

| <i>BIO4</i> | | <i>Urine Sample Technician ID</i> |
|-------------|--------------|-----------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1914 | Present | Text suppressed |
| 168 | ~ | Legitimately skipped |
| 11 | | Missing |

| <i>BIO5</i> | | <i>Bleeding disorders</i> |
|-------------|--------------|---------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1908 | N | N=No |
| 155 | Y | Y=Yes |
| 30 | | Missing |

| <i>BIO6</i> | | <i>Last time you ate or drank anything</i> |
|-------------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2062 | Range | 0:00:00 - 23:30:00 |
| 31 | | Missing |

| <i>BIO7</i> | | <i>Time of blood draw</i> |
|-------------|--------------|---------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2049 | Range | 8:07:00 - 15:43:00 |
| 44 | | Missing |

| <i>BIO7a</i> | | <i>Fasting at least 8 hours</i> |
|--------------|--------------|---------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1841 | N | N=No |
| 224 | Y | Y=Yes |
| 28 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO8</i> | | <i>Number of venipuncture attempts</i> |
|-------------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2062 | Range | 0 - 3 (median=1 mean=1.1 std=0.3) |
| 31 | | Missing |

| <i>BIO9</i> | | <i>Phlebotomist Code #</i> |
|-------------|--------------|----------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2062 | Present | Text suppressed |
| 31 | | Missing |

| <i>BIO9a</i> | | <i>Assistant's Code #</i> |
|--------------|--------------|---------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1590 | Present | Text suppressed |
| 503 | | Missing |

| <i>BIO10</i> | | <i>Blood drawing incidents or problems</i> |
|--------------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1684 | N | N=No |
| 383 | Y | Y=Yes |
| 26 | | Missing |

| <i>BIO10a1</i> | | <i>Sample Not Drawn - Tube 1</i> |
|----------------|--------------|----------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2025 | false | |
| 57 | true | |
| 11 | | Missing |

| <i>BIO10a2</i> | | <i>Sample Not Drawn - Tube 2</i> |
|----------------|--------------|----------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2015 | false | |
| 67 | true | |
| 11 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO10a3</i> | | <i>Sample Not Drawn - Tube 3</i> |
|----------------|--------------|----------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1989 | false | |
| 93 | true | |
| 11 | | Missing |

| <i>BIO10a4</i> | | <i>Sample Not Drawn - Tube 4</i> |
|----------------|--------------|----------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1955 | false | |
| 127 | true | |
| 11 | | Missing |

| <i>BIO10a5</i> | | <i>Sample Not Drawn - Tube 5</i> |
|----------------|--------------|----------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1962 | false | |
| 120 | true | |
| 11 | | Missing |

| <i>BIO10b1</i> | | <i>Partial Sample Drawn - Tube 1</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2062 | false | |
| 20 | true | |
| 11 | | Missing |

| <i>BIO10b2</i> | | <i>Partial Sample Drawn - Tube 2</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2058 | false | |
| 24 | true | |
| 11 | | Missing |

| <i>BIO10b3</i> | | <i>Partial Sample Drawn - Tube 3</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2051 | false | |
| 31 | true | |
| 11 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO10b4</i> | | <i>Partial Sample Drawn - Tube 4</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2057 | false | |
| 25 | true | |
| 11 | | Missing |

| <i>BIO10b5</i> | | <i>Partial Sample Drawn - Tube 5</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2072 | false | |
| 10 | true | |
| 11 | | Missing |

| <i>BIO10c1</i> | | <i>Tourniquet Reapplied - Tube 1</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1964 | false | |
| 118 | true | |
| 11 | | Missing |

| <i>BIO10c2</i> | | <i>Tourniquet Reapplied - Tube 2</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1928 | false | |
| 154 | true | |
| 11 | | Missing |

| <i>BIO10c3</i> | | <i>Tourniquet Reapplied - Tube 3</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1925 | false | |
| 157 | true | |
| 11 | | Missing |

| <i>BIO10c4</i> | | <i>Tourniquet Reapplied - Tube 4</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1933 | false | |
| 149 | true | |
| 11 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO10c5</i> | | <i>Tourniquet Reapplied - Tube 5</i> |
|----------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1939 | false | |
| 143 | true | |
| 11 | | Missing |

| <i>BIO10d1</i> | | <i>Fist Clenching - Tube 1</i> |
|----------------|--------------|--------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2072 | false | |
| 10 | true | |
| 11 | | Missing |

| <i>BIO10d2</i> | | <i>Fist Clenching - Tube 2</i> |
|----------------|--------------|--------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2077 | false | |
| 5 | true | |
| 11 | | Missing |

| <i>BIO10d3</i> | | <i>Fist Clenching - Tube 3</i> |
|----------------|--------------|--------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2078 | false | |
| 4 | true | |
| 11 | | Missing |

| <i>BIO10d4</i> | | <i>Fist Clenching - Tube 4</i> |
|----------------|--------------|--------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2078 | false | |
| 4 | true | |
| 11 | | Missing |

| <i>BIO10d5</i> | | <i>Fist Clenching - Tube 5</i> |
|----------------|--------------|--------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2077 | false | |
| 5 | true | |
| 11 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO10e1</i> | | <i>Needle Movement - Tube 1</i> |
|----------------|--------------|---------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1998 | false | |
| 84 | true | |
| 11 | | Missing |

| <i>BIO10e2</i> | | <i>Needle Movement - Tube 2</i> |
|----------------|--------------|---------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2064 | false | |
| 18 | true | |
| 11 | | Missing |

| <i>BIO10e3</i> | | <i>Needle Movement - Tube 3</i> |
|----------------|--------------|---------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2066 | false | |
| 16 | true | |
| 11 | | Missing |

| <i>BIO10e4</i> | | <i>Needle Movement - Tube 4</i> |
|----------------|--------------|---------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2072 | false | |
| 10 | true | |
| 11 | | Missing |

| <i>BIO10e5</i> | | <i>Needle Movement - Tube 5</i> |
|----------------|--------------|---------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2075 | false | |
| 7 | true | |
| 11 | | Missing |

| <i>BIO10f1</i> | | <i>Participant Reclining - Tube 1</i> |
|----------------|--------------|---------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | false | |
| 1 | true | |
| 11 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO10f2</i> | | <i>Participant Reclining - Tube 2</i> |
|----------------|--------------|---------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | false | |
| 1 | true | |
| 11 | | Missing |

| <i>BIO10f3</i> | | <i>Participant Reclining - Tube 3</i> |
|----------------|--------------|---------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | false | |
| 1 | true | |
| 11 | | Missing |

| <i>BIO10f4</i> | | <i>Participant Reclining - Tube 4</i> |
|----------------|--------------|---------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | false | |
| 1 | true | |
| 11 | | Missing |

| <i>BIO10f5</i> | | <i>Participant Reclining - Tube 5</i> |
|----------------|--------------|---------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | false | |
| 1 | true | |
| 11 | | Missing |

| <i>BIO12</i> | | <i>Time specimen tubes 2, 3 and 4 were spun</i> |
|--------------|--------------|---|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1987 | Range | 0:38:00 - 23:59:00 |
| 106 | | Missing |

| <i>BIO13</i> | | <i>Time specimen tube 1 was spun</i> |
|--------------|--------------|--------------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1996 | Range | 0:23:00 - 23:59:00 |
| 97 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO14</i> | | <i>Time all tubes were placed in freezer</i> |
|--------------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1997 | Range | 0:30:00 - 16:25:00 |
| 96 | | Missing |

| <i>BIO15</i> | | <i>Blood processing incidents or problems</i> |
|--------------|--------------|---|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1734 | N | N=No |
| 268 | Y | Y=Yes |
| 91 | | Missing |

| <i>BIO15a1</i> | | <i>Broken Tube - Tube 1</i> |
|----------------|--------------|-----------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | false | |
| 1 | true | |
| 11 | | Missing |

| <i>BIO15a2</i> | | <i>Broken Tube - Tube 2</i> |
|----------------|--------------|-----------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | false | |
| 1 | true | |
| 11 | | Missing |

| <i>BIO15a3</i> | | <i>Broken Tube - Tube 3</i> |
|----------------|--------------|-----------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | false | |
| 1 | true | |
| 11 | | Missing |

| <i>BIO15a4</i> | | <i>Broken Tube - Tube 4</i> |
|----------------|--------------|-----------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2080 | false | |
| 2 | true | |
| 11 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO15b1</i> | | <i>Clotted - Tube 1</i> |
|----------------|--------------|-------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2082 | false | |
| 11 | | Missing |

| <i>BIO15b2</i> | | <i>Clotted - Tube 2</i> |
|----------------|--------------|-------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2082 | false | |
| 11 | | Missing |

| <i>BIO15b3</i> | | <i>Clotted - Tube 3</i> |
|----------------|--------------|-------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2082 | false | |
| 11 | | Missing |

| <i>BIO15b4</i> | | <i>Clotted - Tube 4</i> |
|----------------|--------------|-------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2082 | false | |
| 11 | | Missing |

| <i>BIO15c1</i> | | <i>Hemolyzed - Tube 1</i> |
|----------------|--------------|---------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2030 | false | |
| 52 | true | |
| 11 | | Missing |

| <i>BIO15c2</i> | | <i>Hemolyzed - Tube 2</i> |
|----------------|--------------|---------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2042 | false | |
| 40 | true | |
| 11 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO15c3</i> | | <i>Hemolyzed - Tube 3</i> |
|----------------|--------------|---------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2049 | false | |
| 33 | true | |
| 11 | | Missing |

| <i>BIO15c4</i> | | <i>Hemolyzed - Tube 4</i> |
|----------------|--------------|---------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2058 | false | |
| 24 | true | |
| 11 | | Missing |

| <i>BIO15d1</i> | | <i>Lipemic - Tube 1</i> |
|----------------|--------------|-------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1940 | false | |
| 142 | true | |
| 11 | | Missing |

| <i>BIO15d2</i> | | <i>Lipemic - Tube 2</i> |
|----------------|--------------|-------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1977 | false | |
| 105 | true | |
| 11 | | Missing |

| <i>BIO15d3</i> | | <i>Lipemic - Tube 3</i> |
|----------------|--------------|-------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1979 | false | |
| 103 | true | |
| 11 | | Missing |

| <i>BIO15d4</i> | | <i>Lipemic - Tube 4</i> |
|----------------|--------------|-------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1981 | false | |
| 101 | true | |
| 11 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO15e1</i> | | <i>Other - Tube 1</i> |
|----------------|--------------|-----------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2064 | false | |
| 18 | true | |
| 11 | | Missing |

| <i>BIO15e2</i> | | <i>Other - Tube 2</i> |
|----------------|--------------|-----------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2070 | false | |
| 12 | true | |
| 11 | | Missing |

| <i>BIO15e3</i> | | <i>Other - Tube 3</i> |
|----------------|--------------|-----------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2070 | false | |
| 12 | true | |
| 11 | | Missing |

| <i>BIO15e4</i> | | <i>Other - Tube 4</i> |
|----------------|--------------|-----------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2070 | false | |
| 12 | true | |
| 11 | | Missing |

| <i>BIO17a</i> | | <i>Tech ID for blood specimen processing</i> |
|---------------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2034 | Present | Text suppressed |
| 59 | | Missing |

| <i>BIO17b</i> | | <i>Tech ID for blood specimen processing</i> |
|---------------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 353 | Present | Text suppressed |
| 1740 | | Missing |

Section 3: V9 / NCS Forms

| <i>BIO17c</i> | | <i>Tech ID for blood specimen processing</i> |
|---------------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 277 | Present | Text suppressed |
| 1816 | | Missing |

| <i>BIO0A_FollowUpDays</i> | | <i>Days of follow up from visit 1 to Completion date</i> |
|---------------------------|--------------|--|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 2081 | Range | 11496 - 13122 (median=12169 mean=12189.7 std=331.3) |
| 12 | | Missing |

| <i>BIO0A_year</i> | | <i>Year of Completion date</i> |
|-------------------|--------------|--------------------------------|
| <i>N</i> | <i>Value</i> | <i>Description</i> |
| 1124 | 2021 | |
| 957 | 2022 | |
| 12 | | Missing |