Supplemental Table 4a. Description of samples included in the 2019 panel. \*Sample type is indicated as B-blood, S-serum, P-plasma, D-DNA.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sample\*** | **Species** | **Origin** | **Age (years)** | **Sex** | **SPF History** |
| P2019-1B | M. fuscata | ^ | 14 | Female | Antibody positive for B Virus; antibody negative for SIV, SRV, STLV. |
| P2019-2B | M. mulatta | Indian | 5 | Male | Experimental SIV infection; antibody positive for SIV; antibody negative for BV, SRV, STLV. |
| P2019-3B | M. mulatta | Indian | 15 | Male | Experimentally transfused with SRV4; PCR/antibody positive blood; antibody positive for BV, SRV, MV, CMV, RRV, SFV; antibody negative for SIV, STLV (screen false pos/WB neg). SRV PCR intermittently positive. SIV, STLV, RRV, SFV PCR negative. |
| P2019-4B | M. mulatta | Indian | 15 | Male | Experimentally transfused with SRV1 PCR/antibody positive blood; antibody positive for BV, SRV, MV, CMV, RRV, SFV; antibody negative for SIV, STLV (screen false pos/WB neg). SRV PCR intermittently positive. SIV, STLV, RRV, SFV PCR negative. |
| P2019-5B | M. mulatta | Indian | 7 | Male | Antibody positive for LCV; antibody negative for BV, SIV, SRV, STLV, SFV, RRV, CMV. |
| P2019-6B | M. mulatta | Indian | 11 | Male | Antibody positive for SV-40; antibody negative for SRV, SIV, STLV, B virus, CMV, RRV, SFV and LCV. |
| P2019-7S | M. mulatta | Indian | 11 | female | Antibody positive for CMV, SV40, LCV; antibody negative for SIV, SRV, STLV, BV, MV, BP, SFV, RRV, SVV. SRV, SFV, RRV PCR negative. |
| P2019-8S | M. mulatta | Indian | ^ | Male | Antibody positive for SV40; antibody indeterminate for SIV; antibody negative for SRV, STLV, BV, MV, BP, SFV, CMV, RRV, SVV, LCV. |
| P2019-9S | M. mulatta | Indian | ^ | Male | Antibody positive for MV, T. Cruzi; antibody negative for SIV, SRV, STLV, BV, MV, Bp. SRV PCR negative. |
| P2019-10S | M. mulatta | Indian | ^ | Female | Antibody positive for MV; antibody negative for SIV, SRV, STLV BV, Bp,T. Cruzi. SRV PCR negative. |
| P2019-11S | M. mulatta | Indian | ^ | Female | Antibody positive for STLV, BV, MV; antibody negative for SIV, SRV, Bp, T. Cruzi. SRV PCR negative. |
| P2019-12S | M. mulatta | Indian | ^ | Female | Antibody positive for BV, MV; antibody negative for SIV, SRV, STLV, Bp, T. Cruzi. SRV PCR negative. |
| P2019-13S | M. mulatta | Indian | ^ | Female | Antibody positive for STLV, BV, MV; antibody indeterminate for SRV; antibody negative for SIV, STLV, BV, MV, Bp, T. Cruzi. SRV PCR negative. |
| P2019-14S | M. mulatta | Chinese | ^ | Female | Antibody indeterminate for SRV; antibody negative for SIV, STLV, BV, MV. SRV PCR negative. |
| P2019-15S | M. mulatta | Chinese | ^ | Male | Antibody positive for MV; antibody negative for SIV, SRV, STLV, BV Indeterminate; SRV PCR negative. |
| P2019-16S | M. mulatta | Indian | ^ | Female | Antibody Positive for MV; antibody indeterminate for BV; antibody negative for SIV, SRV, STLV. |
| P2019-17S | ^ | ^ | ^ | ^ | Antibody positive for STLV, Herpes B, SFV, T.Cruzi;  antibody negative/indeterminate for SIV, SRV (gp20). |
| P2019-18S | ^ | ^ | ^ | ^ | Antibody positive for SRV1, T. Cruzi; antibody negative for STLV, BV. |
| P2019-19S | ^ | ^ | ^ | ^ | Antibody positive for SRV2; antibody negative for STLV, BV, SIV, SFV, T. Cruzi. |
| P2019-20S | ^ | ^ | ^ | ^ | Antibody positive for SRV4, T. Cruzi; antibody negative for STLV, BV, SIV, SFV. |
| P2019-26P | M. mulatta | Indian | 9 | Female | Antibody positive for MV; antibody negative for BV, SIV, SRV, STLV, RRV, CMV, SFV. SRV, SFV, RRV PCR negative. |
| P2019-27B | M. mulatta | ^ | ^ | ^ | SRV3 DNA Standard spiked into whole blood from sample 26P |
| P2019-28P, | ^ | ^ | ^ | ^ | ^ |
| P2019-29P, | ^ | ^ | ^ | ^ | ^ |
| P2019-30P,D | ^ | ^ | ^ | ^ | ^ |
| P2019-31P,D | ^ | ^ | ^ | ^ | ^ |
| P2019-32P,D | ^ | ^ | ^ | ^ | ^ |
| P2019-33P,D | ^ | ^ | ^ | ^ | ^ |
| P2019-34P,D | ^ | ^ | ^ | ^ | ^ |
| P2019-35P,D | ^ | ^ | ^ | ^ | ^ |
| P2019-36B | M. mulatta | ^ | ^ | ^ | SRV5 tissue culture virus spiked into sample 37P multi-date blood pool. |
| P2019-37P | M. mulatta | Indian | 14 | ^ | Antibody positive for measles; antibody negative for BV, SIV, SRV, STLV (MFIA screen Pos / WB neg). SRV PCR negative. |

^No information provided.

Suppolemental Table 4b. Aggregate BV, SRV, SIV, and STLV antibody and PCR testing results. Samples were characterized as either positive or negative based on the sample history and the consensus results reported from all participants. The number of tests performed per virus and per sample varied in each laboratory.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | BV | SIV | SRV | STLV | CMV | RRV | SFV | LCV | T. cruzi |
| Number of positive samples tested | 59 | 6 | 56 | 41 | 103 | 67 | 149 | 77 | 18 |
| Number of positive test results | 59 | 6 | 52 | 40 | 100 | 66 | 147 | 76 | 18 |
| Number of total negative samples tested | 120 | 174 | 138 | 138 | 16 | 21 | 20 | 12 | 72 |
| Number of negative test results | 109 | 173 | 133 | 136 | 16 | 18 | 17 | 12 | 69 |
| **Percent Agreement** | **86.5%** | **98.9%** | **92.1%** | **97.0%** | **94.4%** | **94.9%** | **96.9%** | **97.5%** | **92.4%** |

^Indeterminate reactivity due to cross reactivity of SRV antibody with the STLV recombinant 21e was counted as negative

^^9 of 11 were interpreted as Indeterminate (not positive) in a single laboratory.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | SIV | SRV | STLV | RRV | SFV |
| Number of positive samples tested | 2 | 12 | 9 | 8 | 22 |
| Number of positive test results | 2 | 10 | 9 | 8 | 15 |
| Number of total negative samples tested | 29 | 52 | 36 |  |  |
| Number of negative test results | 29 | 50 | 36 |  |  |
| **Percent Agreement** | **100.0%** | **91.4%** | **100.0%** | **100.0%** | **54.5%** |

^^^One laboratory determined their results (not shown) were invalid due to contamination.