**S1 Table.** Number of positive/negative samples needed for a range of estimated sensitivities/specificities.

|  |  |  |  |
| --- | --- | --- | --- |
| **Estimated sensitivity/specificity** | **95% confidence interval** | **Number of positive / negative samples needed** | **Number of positive/negative samples considering 30% of potentially poor-quality specimens** |
| 97.5% | ±2.5% | ≥149.8 | 200 |
| 95.0% | ±3.5% | ≥149.8 | 200 |
| 90.0% | ±4.8% | ≥150.1 | 200 |
| 85.0% | ±5.7% | ≥150.7 | 200 |