### Ray Biotech-Specificity results (n=40)

| Disease          | Negative | Inconclusive | Positive | Total | Diagnostic Specificity % | Equiv. Neg | Equiv. Pos |
|------------------|----------|--------------|----------|-------|--------------------------|------------|------------|
| Chik             | 1        | 2            | 3        | 8     | 100                      | 2          | 2          |
| Dengue           | 2        | 2            | 3        | 9     | 100                      | 2          | 2          |
| Hep C            | 1        | 1            | 3        | 5     | 100                      | 1          | 2          |
| HIV              | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| Measles IgG      | 1        | 1            | 2        | 4     | 100                      | 1          | 2          |
| Measles IgM      | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| Mumps IgM        | 1        | 1            | 2        | 4     | 100                      | 2          | 2          |
| Mumps IgG        | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| Rubella          | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| Syphilis         | 3        | 3            | 6        | 12    | 100                      | 2          | 2          |
| VZV              | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| WN IgM           | 1        | 1            | 2        | 4     | 100                      | 2          | 2          |
| Zika             | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| HSV1             | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| HSV2             | 1        | 1            | 2        | 4     | 100                      | 2          | 2          |
| Parvo B19        | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| Enterovirus      | 1        | 1            | 2        | 4     | 100                      | 2          | 2          |
| RF               | 1        | 1            | 2        | 4     | 100                      | 2          | 2          |
| ANA              | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |
| EBV              | 2        | 2            | 4        | 8     | 100                      | 2          | 2          |

| Total            | 31       | 8            | 1        | 40    |                          | 39         | 31         |

Overall false positive rate %: 2.50% | 22.50%

When calculating measures of diagnostic accuracy FDA suggests reporting two different sets of performance measures:

a. one set of measures based on including the equivocal results with the test positive results (Equiv. Pos.%)

b. a second set of measures based on including the equivocal results with the test negative results (Equiv. Neg.%)

**Supplemental Table 4- Specificity analysis-Ray Biotech**