

# AccuSpan™ Zika RNA Linearity Panel

2410-0318 / Batch #10395876

## OVERVIEW

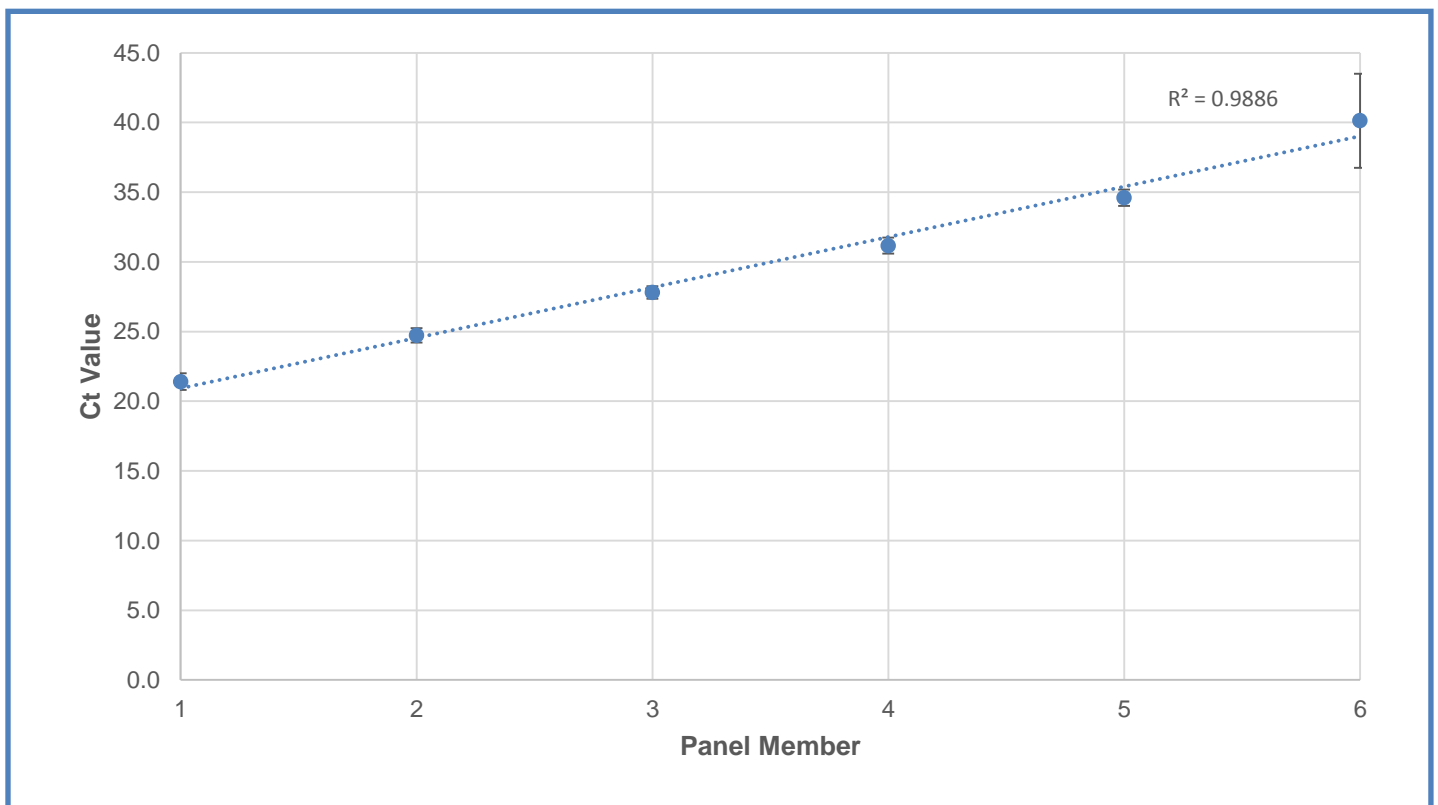
The AccuSpan Zika RNA Linearity Panel 2410-0318 / Batch #10395876 is a seven-member panel made from serial dilutions of a recombinant Zika virus with established reactivity for Zika RNA and one negative member. This panel consists of six members representing serial log dilutions of AccuPlex recombinant Zika virus in negative diluent and one negative member prepared from the diluent. The diluent was prepared from normal human plasma that was defibrinated and 0.2 micron filtered. Sodium azide (0.9%) was added as a preservative.

Results are reported for each panel member on each specific test method. Linearity is shown graphically by plotting observed Ct results.

For Research Use Only. Not for use in diagnostic procedures. Data are provided for informational purposes. SeraCare Life Sciences does not claim that others can duplicate test results exactly.

CAUTION: Follow Universal Precautions.

AccuSpan Zika RNA Linearity Panel Members 1-6



Zika RNA results from the Applied Biosystems 7500 RT-PCR system are plotted for reference. The Ct value represents cycle threshold required for the fluorescent signal to rise above background levels. A higher Ct value indicates a lower amount of analyte. A 3.33 change in Ct value is equivalent to a 10-fold change in concentration.

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Panel Member	Target copies/mL	Real Time PCR on Applied Biosystems 7500 System (Ct) <sup>1,2</sup>	Digital PCR on BioRad QX200 System (c/mL) <sup>3,4</sup>
01	1,000,000	<b>21.4</b>	<b>1.9E+06</b>
02	100,000	<b>24.7</b>	<b>3.1E+05</b>
03	10,000	<b>27.8</b>	<b>2.7E+04</b>
04	1,000	<b>31.2</b>	<b>3.0E+03</b>
05	100	<b>34.6</b>	<b>2.1E+02</b>
06	10	<b>40.1</b>	TND
07	TND	TND	TND

<sup>1</sup> Results are reported as the mean result of replicate testing.

<sup>2</sup> Results are reported as cycle threshold (Ct); Positive/reactive results are noted in bold red.

<sup>3</sup> Results reported are the average of 8 test results.

<sup>4</sup> Results are reported as copies per milliliter (c/mL); Positive/reactive results are noted in bold red.

TND = Target Not Detected

The package insert for this panel can be found at [www.seracare.com](http://www.seracare.com).

A printed copy of the package insert or data sheet may be requested by email at [info@seracare.com](mailto:info@seracare.com) or by phone at 508.244.6400.