THE NativeAntigen COMPANY

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Certificate of Analysis

Name: Lysate of Vero cells infected with Zika virus
Product code: VeZIKV-LYS-100
Batch #: 16081016
Description: Vero cells infected with Zika virus were harvested 7 days post infection, and collected cell debris was lysed in PBS containing 1% Triton X-100. Then, lysate was cleared by centrifugation and heat inactivated at 56°C for 1h.
Virus Strain: Zika virus [Uganda, Public Health England reference number 1308258v]
Inactivation: Virus could not be cultures from 1ul of lysate as determined by infection assay. However, lysate should be handled under BSL 2 conditions since the presence of infectious virus cannot be excluded.
Amount: 100µg
Concentration: 0.48 mg/ml
Presentation: Liquid
Buffer: DPBS, 1% Triton X-100

Usage guidelines

Storage:	Short term: +4°C to -20°C (based on similar products) Long Term: -80°C (based on similar products)
Stability:	Not tested
Freezing:	Can be frozen and thawed, but avoid excessive freeze/thaw cycles

QC Officer

Date 31-AUG-2016

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ELISA data

A Nunc Maxisorp plate was coated with 200ng of antigen per well in Coating Buffer (0.2M carbonate buffer pH9.6), then blocked with 2% BSA in Coating Buffer. Primary human serum was used at a dilution of 1:250 or 1:2000 in Dilution Buffer (PBS-T containing 2% of BSA), and goat-anti-human-IgG-HRP (Southern Biotech) was used at 1:4000 in Dilution Buffer. ELISA was developed using TMB Microwell substrate (Moss), and absorption was read using a Tecan microplate reader.
All steps were carried out for 1 hour at room temperature. Plate was washed 3 times using 200ul of PBS-T per well after each step.