ZeptoMetrix®

Catalog Number:
0810613UV

SARS-Related Coronavirus 2 (SARS-CoV-2) Lineage B.1.351; Beta Variant* Isolate: South_Africa/KRISP-K005325/2020 Culture Fluid (UV Inactivated) (1 mL)

PRODUCT DESCRIPTION:

SARS-Related Coronavirus 2 Lineage B.1.351; Beta Variant (Isolate: South_Africa/KRISP-K005325/2020) is an enveloped, positive-sense single-stranded RNA virus from the *Coronaviridae* family and the *Betacoronaviridae* genus.

Severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate hCoV-19/South Africa/KRISP-K005325/2020 (also referred to as 501Y.V2.HV and 501Y.V2.HV001) was isolated from an oropharyngeal swab from a 40-year-old human male in Ugu district, KwaZulu-Natal, South Africa on November 16, 2020. Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate hCoV-19/South Africa/KRISP-K005325/2020 is assigned lineage B.1.351 and GISAID clade GH using Phylogenetic Assignment of Named Global Outbreak LINeages (PANGOLIN) tool. The complete genome of the clinical isolate of SARS-CoV-2, hCoV-19/South Africa/KRISP-K005325/2020 has been sequenced **(GISAID: EPI_ISL_678615).**

Each frozen aliquot contains 1 mL of UV inactivated, clarified viral culture fluid. The pre-inactivation titer was determined from an infectious aliquot.

Viral inactivation is verified after UV inactivation by the absence of viral growth in tissue culture-based infectivity assays.

INTENDED USE:

UV inactivated viral culture fluids are sold as consumable testing materials. The suitability and performance characteristics should be determined by your laboratory for each intended usage.

These products are NOT intended for use in the manufacture or processing of injectable products subject to licensure under section 351 of the Public Health Service Act or for any other product intended for administration to humans.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

BIOSAFETY:

Inactivated SARS-CoV-2 should be used within a Biological Safety Level 2 facility in a biosafety cabinet. Please consult your institution's regulations regarding the use of this product. For a detailed discussion on biological safety see the 5th edition of Biosafety in Microbiological and Biomedical Laboratories (BMBL), published by the CDC at http://www.cdc.gov/biosafety/publications/bmbl5/index.htm

PRECAUTIONS:

- Use Universal Precautions, this product is **potentially biohazardous.**
- Repetitive freezing and thawing is not recommended (aliquot material if necessary).
- To avoid cross-contamination, use separate pipette tips for all reagents.

RECOMMENDED STORAGE:

UV inactivated viral culture fluids should be stored at -65°C or below.

***The following reagent was obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate hCoV-19/South Africa/KRISP-K005325/2020, NR-54009, contributed by Alex Sigal and Tulio de Oliveira.**

REF	Catalog Number		Temperature Limitation
LOT	Batch Code		Expiration Date
RUO	For Research Use Only		Biological Risk
	Manufacturer		

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This product was manufactured in a facility which has a Quality Management System that is ISO 13485 certified.