SARS-Related Coronavirus 2, Isolate England/02/2020

Catalog No. NR-52359

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Contributor:
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Manufacturer:
BEI Resources

Product Description:
**Virus Classification:** Coronaviridae, Betacoronavirus  
**Species:** Severe acute respiratory syndrome-related coronavirus 2  
**Isolate:** England/02/2020  
**Original Source:** Severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate England/02/2020 was isolated from a COVID-19 patient during acute illness in February 2020 in England, United Kingdom.

Comments: Under the nomenclature system introduced by GISAID (Global Initiative on Sharing All Influenza Data), SARS-CoV-2, isolate England/02/2020 was assigned lineage A and GISAID clade S using Phylogenetic Assignment of Named Global Outbreak LiNeeages (PANGOLIN) tool. The complete genome of SARS-CoV-2, isolate England/02/2020 has been sequenced (GISAID: EPI_ISL_407073).

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**Growth Conditions:**
- **Host:** Cercopithecus aethiops kidney cells (Vero E6; ATCC® CRL-1586™)
- **Growth Medium:** Eagle’s Minimum Essential Medium containing Earle’s Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate supplemented with 2% fetal bovine serum or equivalent
- **Infection:** Cells should be 70% to 80% confluent
- **Incubation:** 3 to 5 days at 37°C and 5% CO2
- **Cytopathic Effect:** Cell rounding and sloughing

**Citation:**
Acknowledgment for publications should read “The following reagent was deposited by Professor Maria Zambon and obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate England/02/2020, NR-52359.”

**Biosafety Level: 3**
prevent, detect, prepare for, and respond to, the spread or transmission of the 2019 SARS-CoV-2. Any further transfer of the original material or any unmodified progeny must be done under the terms of the EUSLA, documented as described above and you must notify BEI Resources of each subsequent transfer. Any new materials made by you that are not the original material or unmodified progeny are excluded from this requirement and you are free to share and commercialize those as your materials.

References:
2. GISAID

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