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Datasheet for CB-0301

Jacket Lung Cancer Cell Model

Overview

Description:	Jacket Lung Cancer Cell Model - CB-0301
Item No.:	CB-0301
Size:	1 Each

Product Details

Background:	Jacket Lung Cell Model originates from adenocarcinoma of the lung of a 70-74 yr old Caucasian male collected in the United States in 2013. STR Profile; AMEL: X; CSF1PO: 11; D13S317: 13; D16S539: 12; D18S51: 17; D21S11: 28; D3S1358: 15; D5S818: 12; D7S820: 8, 10; D8S1179: 12; FGA: 23; Penta D: 9; Penta E: 7; TH01: 9; TPOX: 11; vWA: 14. Manufactured by Cellaria, LLC.
Synonyms:	patient derived tumor, tumor models, carcinoma cell lines

Target Details

Purity/Specificity:	All lots are tested for microbial and viral contamination, cell line cross - contamination, mycoplasma, and consistent growth capabilities.
Relevant Links:	• Jacket-Cell-Passaging-Protocol-CB-0301 • Media_Comparison_Summary-CB-0301

Application Details

Application Note:	Tumor sample diagnosis was confirmed by histology and immunohistochemical detection of tumor markers. Immunofluorescence detection of lineage markers confirm epithelial phenotype using pan-keratin with DAPI overlay. Spontaneous formation of tumorspheres under low-attachment conditions.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Cell Line Data

Cell Line:	Human - Adenocarcinoma of the lung
Product Type:	Viable Cells
Stage:	TNM Stage: T2aN0MX; Staging Group: IB
Medium:	RETM Complete with 5% HI-FBS
Sub-culture:	Cells should be maintained ~80% confluent in RETM Media with 5% FBS, 125 uL Cholera Toxin; media change every 2-3 days, seeding density 3x10^4 cell per cm2.
Incubation:	37°C incubator with 5% CO2 in ambient air

Formulation

Physical State:	Frozen Cell Suspension
Concentration:	1.0 million cells/vial Count By Hemocytometer

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store frozen in liquid nitrogen.
Expiration:	This product MAY be stable for up to four (4) weeks if properly stored and handled.

Images

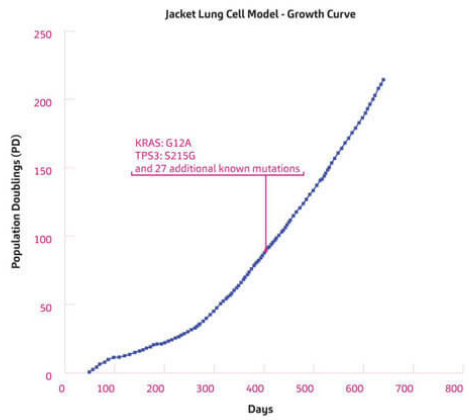

Diagram
The historical growth curve of Jacket Cell Model demonstrates consistent growth and highlights the lack of cell crisis. This graph also demonstrates that it is a continuous cell line, which was accomplished without genetic engineering.

Disclaimer

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

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