

Chocolate Pancreatic Cell Model



PRODUCT INFORMATION SHEET

Identification

The Chocolate cell model originates from an adenocarcinoma of the pancreatic head.

Product Name	Catalog Number	Size
Chocolate Pancreatic Cell Model	CB-0502	1M Cells/ Cryovial

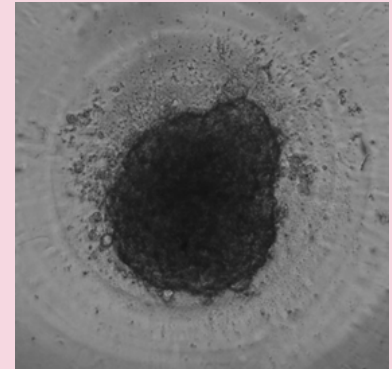
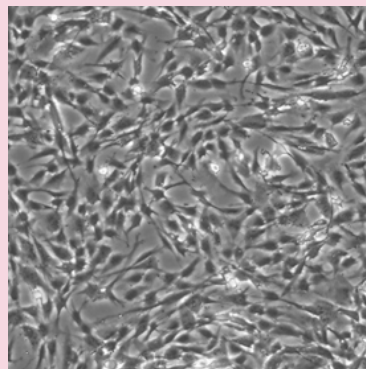
Cell Line Characterization

Gene Mutations



Gene	Alteration	Frequency (%)	Exon	Result
CDKN2A	R58X	34	2	Pathogenic mutation
TP53	E326X	30	9	Pathogenic mutation
KRAS	G12D	19	2	Pathogenic mutation

Morphology

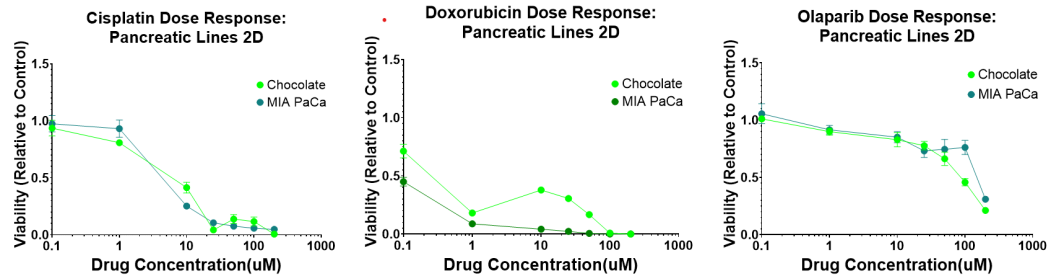


2D vs 3D¹

Chocolate Pancreatic Cell Model

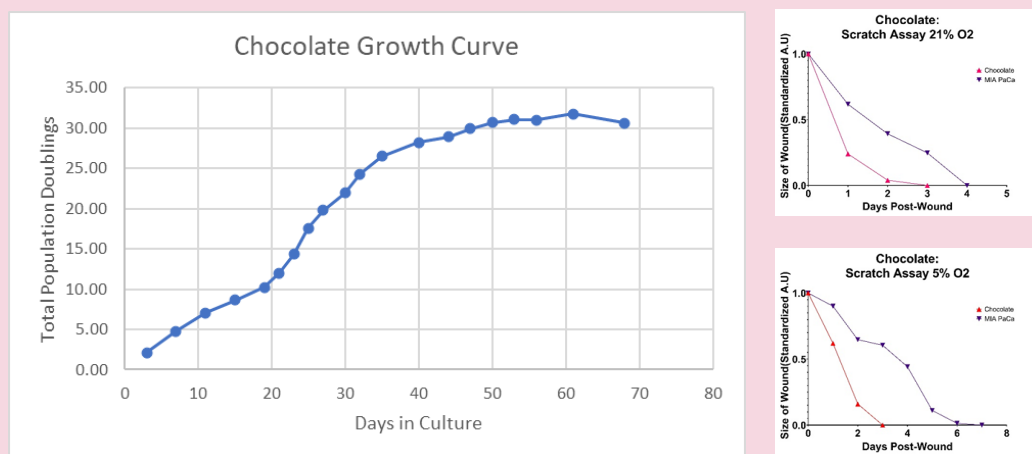
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Drug Response



The Chocolate Cell Model demonstrates sensitivity to Cisplatin, Doxorubicin, and resistance to Olaparib.

Chocolate Growth Characteristics



The historical growth curve of Chocolate demonstrates consistent and rapid growth. Chocolate cells grow continuously for 20-25 passages.



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Patient Profile



Disease Area	Cancer	TNM Stage	T3N0Mx
Tissue Type	Pancreas	Staging Group	
Clinical Diagnosis	Ductal type, poorly differentiated adenocarcinoma of the pancreatic head	Country of Collection	United States
Age	50-55	Year of Origin	2016
Sex	Female	Treatment History	No prior treatment
Ethnicity	Caucasian	Concurrent Diseases	Diabetes mellitus

Cell line protocol

Thawing and Plating Instructions: See Certificate of Analysis for lot-specific details.

See <https://www.cellariabio.com/product/chocolate-cell-model/> for detailed protocol

Storage & safety

Storage and Stability: Store frozen in liquid nitrogen.

Quality Control: All lots are tested for microbial and viral contamination, cell line cross-contamination, mycoplasma, and consistent growth capabilities.

See Certificate of Analysis for further details.

NOTES

1. 3D cell culture of Cellaria™ models utilizes 5% Matrigel™ in Renaissance Essential Tumor Medium.

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