

# Stew Pancreatic Cell Model

## PRODUCT INFORMATION SHEET

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### Identification

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

Product Name	Catalog Number	Size
Stew Pancreatic Cell Model	AMS.CB-0501	1M Cells/ Cryovial

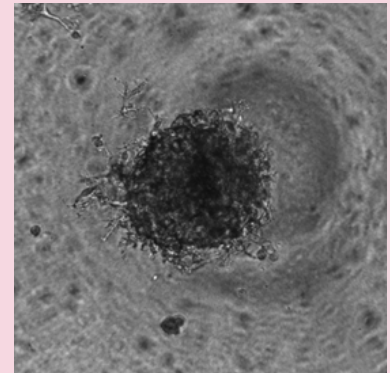
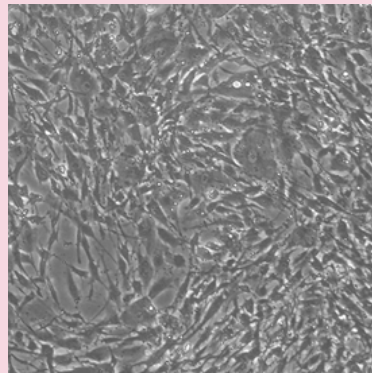
## Cell Line Characterization

### Gene Mutations



Gene	Alteration	Frequency (%)	Exon	Result
KRAS	G12V	11	2	Pathogenic mutation
TP53	R337L	12	10	Pathogenic mutation
WT1	R434H	10	8	Pathogenic mutation

### Morphology



2D vs 3D<sup>1</sup>



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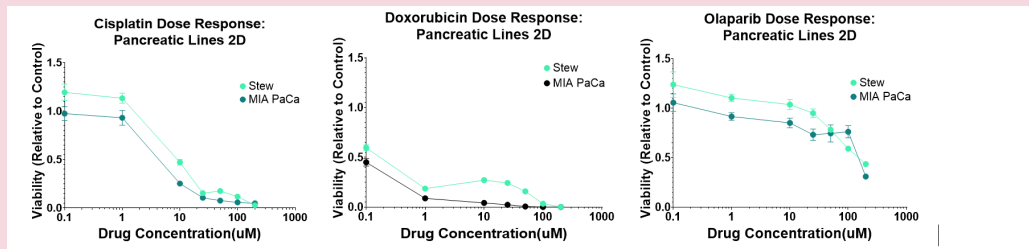
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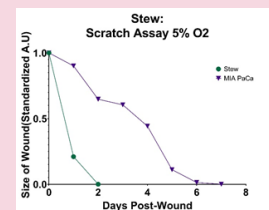
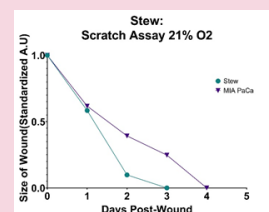
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### Drug Response



The Stew Cell Model demonstrates sensitivity to Cisplatin and Doxorubicin, while exhibiting resistance to Olaparib.

### Stew Growth Characteristics



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



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### Patient Profile



Disease Area	Cancer	TNM Stage	T3N1M0
Tissue Type	Pancreas	Staging Group	
Clinical Diagnosis	Invasive, moderately differentiated adenocarcinoma of the pancreatic head	Country of Collection	United States
Age	65-70	Year of Origin	2016
Sex	Male	Treatment History	No prior treatment
Ethnicity	Caucasian	Stage	T3N1

### Cell line protocol

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

### 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

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

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