



# Esophageal Squamous Cell Carcinoma Xenograft Tumor Model

MODEL	NOMENCLATURE	HAIR	T CELLS	B CELLS	NK CELLS
Athymic Nude Mouse	Hsd:Athymic Nude-Foxn1 <sup>nu</sup>	No	Nonfunctional	Functional	Functional

## Model

The athymic nude mouse has an autosomal recessive mutation on *nu* locus on chromosome 11. The hairless model is T-cell deficient and accepts xenograft transplantation.

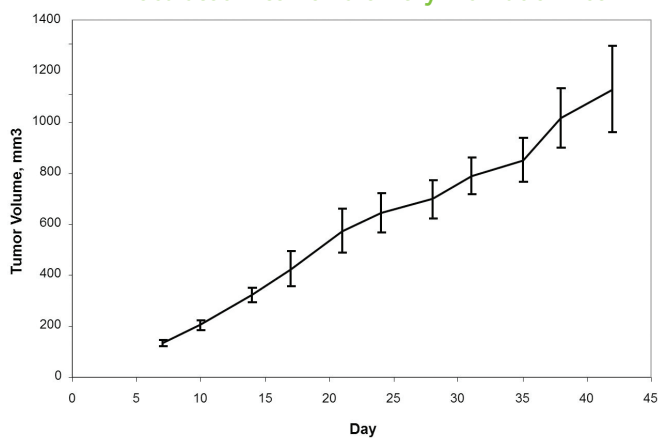
## Cell Line

Human KYSE-30 cells sourced from DSMZ® (Number: ACC 351) were implanted into a cohort of athymic nude mice. Female mice at approximately 8 weeks of age were implanted with 5.0e6 cells with GFR Matrigel (1:1 dilution) into the subcutaneous space of the right flank.

## Tumor Growth *in vivo*

The mice were maintained in a barrier under controlled environmental conditions. The mice consumed Teklad Global Rodent Diet 2914 (14% protein). Body weights were taken and tumor measurements were assessed with a caliper twice per week.

Tumor Growth Rate for KYSE-30 Cells  
Inoculated into Female Athymic Nude Mice



Data shown as mean values; N=8  
Tumor growth study services conducted by Covance, Inc.

## Contact us

North America 800.793.7287 EU and Asia [envigo.com/contactus](http://envigo.com/contactus) [info@envigo.com](mailto:info@envigo.com)