



Oncology  
Cell Line: H2122  
(NCI-H2122)

# Non-small Cell Lung Adenocarcinoma 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.

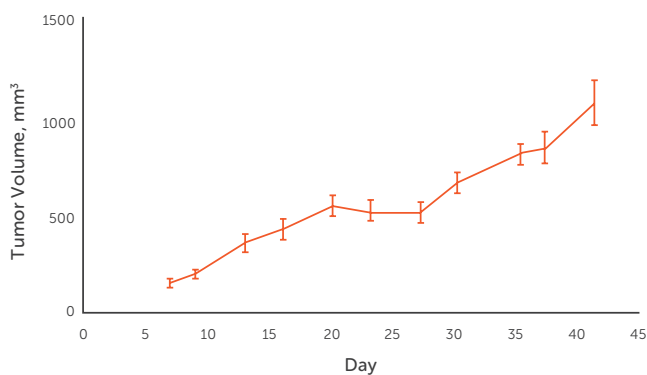
## CELL LINE

Human H2122 (NCI-H2122) cells sourced from ATCC® (Number: CRL-5985™) 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 H2122 (NCI-H2122) Cells Inoculated into Female Athymic Nude Mice



Data shown as mean values; N=10  
Tumor growth study services conducted by Labcorp Drug Development