



Oncology Light Producing Cell Lines

Tumor Cell Lines - Constitutive Expression

Cell Line	Status	Notes	Established Animal Models
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Breast

MDA-MB-231-luc-D3-H1	Stable clonal line	Tumorigenic, metastatic	Intravenous, orthotopic, intracardiac
MDA-MB-231-luc-D3H2LN	Stable clonal line	Tumorigenic, metastatic	Intravenous, orthotopic, intracardiac
MCF-7-luc-F5	Stable clonal line	Tumorigenic, metastatic	Orthotopic

Cervical

HeLa-luc	Stable clonal line	Tumorigenic	Subcutaneous
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Colorectal

HT-29-luc-D6	Stable clonal line	Tumorigenic, metastatic	Subcutaneous
LoVo-6-luc-1	Stable clonal line	Tumorigenic	Subcutaneous available, orthotopic under development

Lung

A549-luc-C8	Stable clonal line	Tumorigenic	Subcutaneous, intravenous
LL/2-luc-M38 (mouse)	Stable line	Tumorigenic	Subcutaneous, intravenous

Melanoma (mouse)

B16-F10-luc-G5	Stable clonal line	Tumorigenic, metastatic	Intravenous, subcutaneous
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Prostate

PC-3M-luc-C6	Stable clonal line	Tumorigenic, metastatic	Intracardiac, intravenous, orthotopic, subcutaneous
LNCaP-luc-M6	Stable line	Tumorigenic, metastatic	Subcutaneous, orthotopic

Ovarian

SKOV3-luc-D3	Stable clonal line	Tumorigenic	Subcutaneous
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Tumor Cell Lines – Reporters

Cell Line	Therapeutic Area	Parental	Promoter	Status
hVEGF-luc/PC3M	Oncology/Angiogenesis	PC3M	Human VEGF	In vitro; In vivo, under validation
p53-RE-luc/A549	Cancer / Apoptosis / Toxicology	A549	p53RE x 3	In vitro; In vivo, under development

For **Tumor Cell Lines – Reporters**, contact Xenogen for further information.

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In vivo imaging in mammals is covered by one or more U.S. and foreign patents controlled by Xenogen Corporation, including the following: U.S. patent numbers 6,649,143, 5,650,135, 6,217,847, 6,916,462, 6,890,515, and 6,908,605, as well as European Union patent number 0861093. A license from Xenogen Corporation is required to practice under these patents.



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