

ARCTis™ Oncology A549

Always Ready Cryo Tissues

Origin

A549 cells were isolated from the lung tissue of a Caucasian, 58-year-old male with lung cancer. This cell line can be used in cancer, immuno-oncology, and toxicology research. (ATCC CCL-185™)

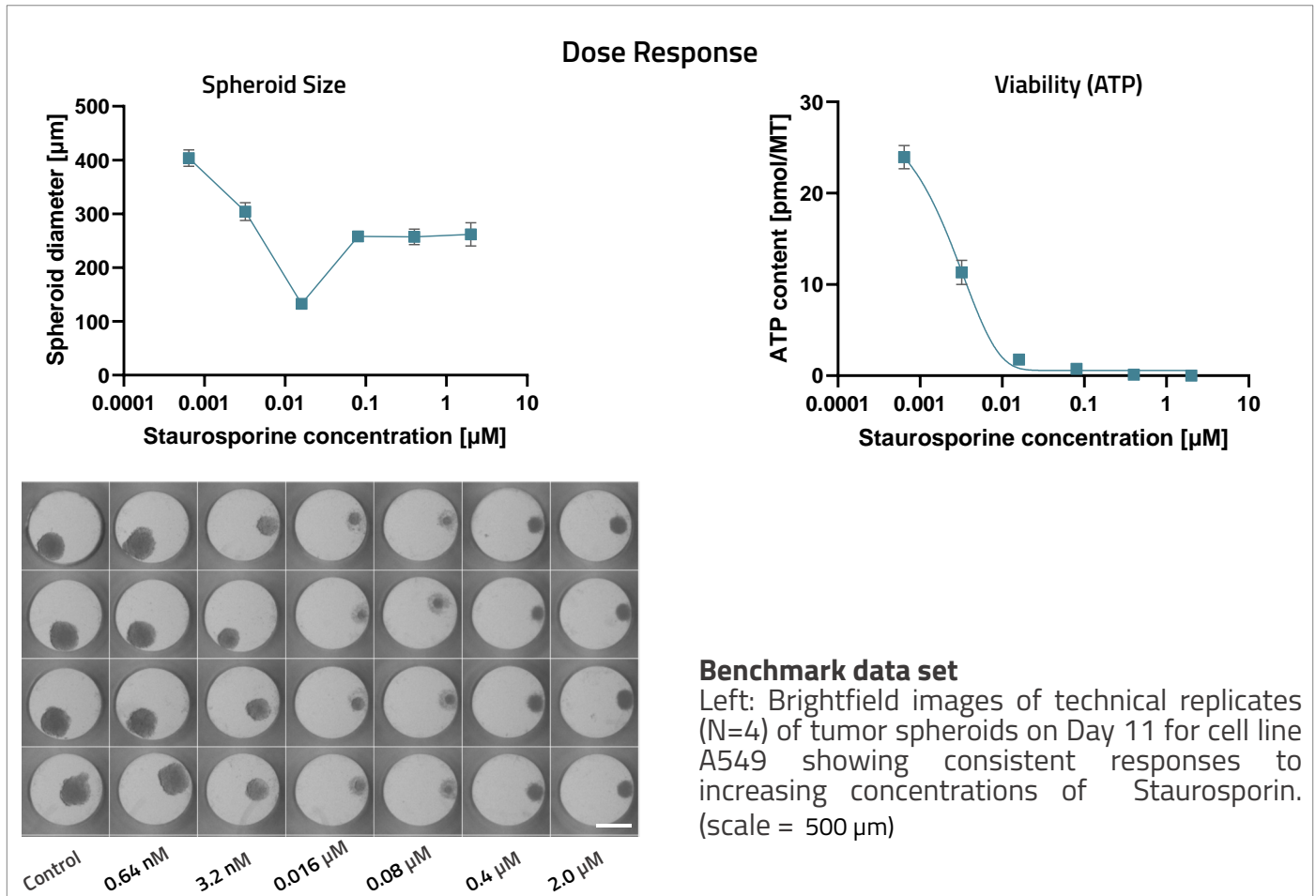
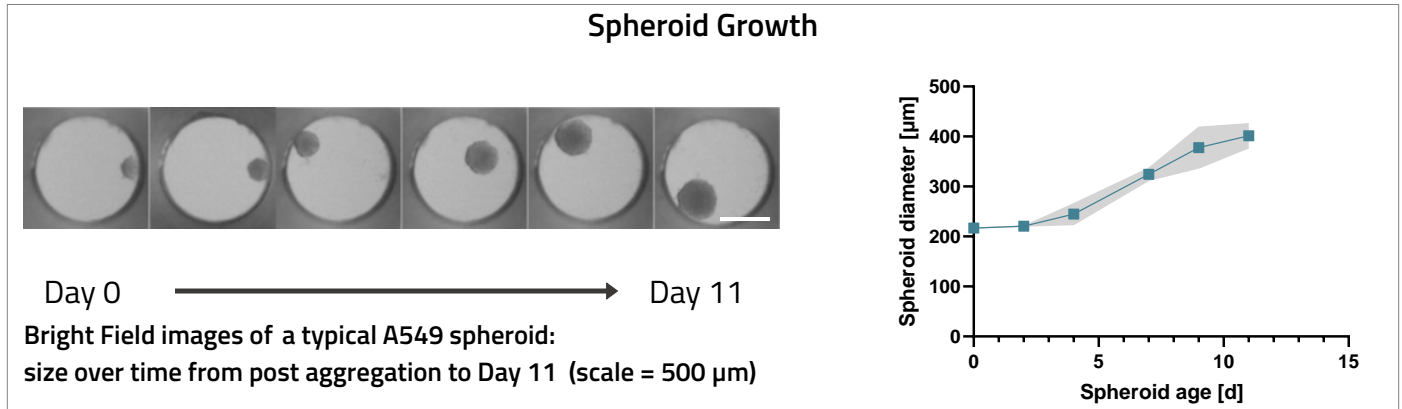
Cell Line	
Product category	Human cells
Organism	Homo sapiens, human
Morphology	Epithel-like
Tissue	Lung
Disease	Carcinoma
Applications	3D cell culture Bioproduction Cancer research High-throughput screening Toxicology
Product format	Frozen
Storage conditions	-80 °C
Culture platform	Akura™ 96 Spheroid Microplate
Delivery format	96 well/ one MT per well

Model set up	
Model type	Monotypic tumor microtissue
Inoculation cell nr.	1000 cells/well
Assay-ready*	3 days in culture
Morphology	Compact, spheroidal
Size after re-aggregation	~210 µm
Assay specifications	
Assay window	Up to 11 days
Max. tissue size Day 10 (Growth window, Ø)	~380 µm (~170 µm)
Viability ATP (Day 10)	~27.5 pmol/MT
Max. Treatment response for size (Staurosporin, Ø)	220 - 380 µm
*Use recommended Re-aggregation Medium **Use Tumor Maintenance Medium	

ARCTis™ Oncology A549

Reference data set

A549 cell line was evaluated for spheroid formation, growth and viability over 11 days. Growth characteristics for this model with respect to proliferation and size were measured over 11 days and benchmarked using a standard cytotoxic agent - Staurosporine. Day 0 defines the start of an assay which for A549 is after 3 days in culture for reaggregation and cryopreservation recovery.



Item #	Var. Code	Description
AT-NB00-0T0-001	A549	ARCTis™ Oncology - Lung

Mycoplasma	The cell line was tested negative
Virus	Refer to CoA of prod. lot
Quality Control & batch number	Supplied with each shipment

InSphero AG
Schlieren, Switzerland
☎ + 41 44 515 04 90

InSphero Inc.
Brunswick, ME, USA
☎ +1 800-779-7558

Email and website
cryo@insphero.com
www.insphero/cryo.com

InSphero is ISO 9001:2015 certified

All rights reserved, ©2023 InSphero AG.
ARCTis and Akura are trademarks of InSphero AG.
All other trademarks are property of their respective owners.
For life science only. Not for diagnostic procedures.