

Cell A549 | 300114

General information

Description	A549, epithelial cells derived from a human bladder carcinoma, used for research purposes. A549 cells are highly proliferative and can be grown in monolayers. A549 cells are derived from a human bladder carcinoma and are characterized by their epithelial morphology and high proliferative capacity. A549 cells are commonly used in research to study the effects of various agents on cell growth and differentiation. A549 cells are also used in the study of cancer metastasis and the role of the cell cycle in tumor progression.
Organism	Human
Tissue	Epithelial
Disease	Bladder carcinoma
Synonyms	A 549, A-549, NCI-A549, hA54

Cell characteristics

Age	58 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Highly proliferative

Cell line information

Citation	A549 (NCI Cell Line) Cytion 300114
Biosafety level	1
NCBI_TaxID	9606

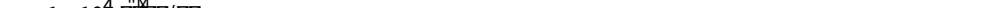
CellosaurusAccession CVCL_0023

XXXXXXXXXX XIXX-XXXXXXXXXXXXXXXXXXXX

Karyotype A549 n2, 64

XXXXXX

Doubling time 28 ☒☒☒☒

Seeding density 1×10^4 

Post-Thaw Recovery

Freeze medium

XXXXX A549 | 300114

**Thawing and
Culturing Cells**

1. XXXX XXXXXXXX XXXX XXXX XXXXXXXX XXX XXXXXXXX, XXX XXXXXXX XXXXXXX XXXX XXX XXXXXXX XXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX
2. XXX XXXX XXXXXXXX, XXXXX XXX XXXXXXXX XXXXXXXX XXX XXXXXXXX XXXXXXX XXXX -150°C XXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX, XXX XXXX
3. XXXXXXX XXXXXXX XXXXXXXX, XXXXXXX XXX XXXXXXXX XXXXXXXX XXX XXX XXXXXXX XXXXXXX XXX XXXXXXXX XXX 37 XXXXXXX XXXXXXX XXX XXX XXXX
4. XXX XXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXXX XXXXXXX, XXXXX XXX XXXXXXXX XXXXXXXX XXXXXXX 70% XXXXX XXXXXXXX
5. XXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXXX XXXX 15 μ" XXXX 8 μ" XXX XXX XXXXXXX XXXXXXX XXXXXXX
6. XXXXXXX XXX XXXXXXXX XXXXXXXX XXX -300 x g XXXX 3 XXXXX XXX XXXXXXX XXX XXXXXXX, XXXXXXX XXXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXX
7. XXXXX XXXXXXXX XXX XXXXX XXXXXXX XXX -10 μ" XXX XXX XXXXXXX XXXX. XXXXX XXXXX XXXXXXXX, XXXXX XXX XXXXXXXX XXXX XXX XXXXXXXX XXXXXXX T2
8. XXXXXXX XXX XXXXXXXX XXX-XXXXXX XXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXXX

**Incubation
Atmosphere**

37°C, 5%_{CO2}, XXXXXXX XXXX

Flask Coating

XXX XXXX

**Shipping
Conditions**

XXXXXXXX XXXXX XXXXXXXX XXXXXXX XXXX XXXXXXX XXXXXXX XXXXXXX XXX XXXXX XXXXXXX XXX XXXXXXX XXX XXXXXXX XXX XXXXXXXX XXX -78°C

**Storage
Conditions**

XXXXXXXX XXXXXXX XXXXX, XXX XXXXXXX XXX XXXXXXXX XXXXXXX XXXXXXX XXXXX XXX XXX XXXXXXXX XXX -150 XXX 196 XXXXXXX XXXXXXXX XXXXXXX XXXXXXX

XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX

Sterility

XXXXXXXX XXXXXXXX XXXXX XXXXXXXX XXXXXXX XXXXXXXX PCR XXXXXXX XXXXXXX XXXXXXXX XXXXXXX XXXXXXXX XXXXXXXX

XXX XXXXXXX XXXXX XXXXXXX XXXXXXXX, XXXXXXXX XXX XXXXX, XXXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXXX XXXXXXXX