

Product sheet

A704 | 300217

General Information

Description	A-704 is a human cell line derived from a 78-year-old male patient with a history of prostate cancer. The cell line was established by Dr. D.J. Giard and is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). A-704 cells are highly proliferative and have a doubling time of approximately 24 hours. The cell line is characterized by its ability to form large, confluent monolayers in culture. A-704 cells are highly sensitive to androgen deprivation therapy (ADT) and are used as a model for studying the effects of ADT on prostate cancer cells. A-704 cells are also used for the study of the role of androgen receptors in prostate cancer progression.
Organism	Human
Tissue	Prostate
Disease	Prostate Cancer
Synonyms	A.704, A-704

Cell Line Characteristics

Age	78 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent, Monolayer

References and Safety

Citation	A704 (ATCC CCL-1065) Cytion 300217
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1065

Additional Information

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A*: '34:02:01, '74:01:01

B*: '35:01:01, '44:03:01

C*: 04:01:01

DRB1*: 15:03:01G

DQA1*: 01:02:01

DQB1*: 06:02:01

DPB1*: '02:01:19, '04:02:01G

E: '01:01:01, '01:03