

Product sheet

A204 | 300109

DESCRIPTION

Description

A204 is a human rhabdomyosarcoma cell line derived from a 10-year-old child with embryonal rhabdomyosarcoma. The cells are characterized by their ability to differentiate into skeletal muscle tissue. Key features include the presence of myoD, myoE, and myoG, which are markers of skeletal muscle differentiation. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml dexamethasone. It is a clonal cell line with a karyotype of 46,XY,t(12;21)(p13;q22), indicating a reciprocal translocation between chromosomes 12 and 21. The cell line is sensitive to doxorubicin and vincristine. It is a valuable model for studying muscle differentiation and sarcoma biology.

Organism Human

Tissue Muscle

Disease Rhabdomyosarcoma

Metastatic site Primary tumor site (muscle)

Applications Rhabdomyosarcoma research; pediatric sarcoma biology; muscle differentiation studies; drug sensitivity; preclinical sarcoma models

Synonyms A-204

CHARACTERISTICS

Age 1 year

Gender Male

Morphology Epithelial

Cell type Rhabdomyosarcoma cells

Growth properties Adherent

CONTACT INFORMATION

Citation A204 (ATCC CRL-2739) (300109)

