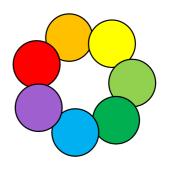
addexbio.com/productdetail



AddexBio Innovative Tools that Drive Biological and Pharmaceutical Research

Information
Catalog #:
T0016002
Disease:
Normal
Origin:
The MRC-5 cell line was derived from normal lung tissue of a 14-week-old male fetus in 1966.
Species:
Human, Homo sapiens
Tissue:
Lung

Morphology: **Fibroblast Properties:** Adherent Cytogenic data: Chromosome Frequency Distribution 50 Cells: 2n = 46. This is a normal diploid human cell line with 46,XY karyotype. The modal chromosome number was 46, occurring in 70% of cells. The rate of polyploidy was 3.6%. Both X and Y chromosomes were normal. Cytogenetic instability has been reported in the literature for some cell lines. Patient: Male, Caucasian, 14 weeks gestation Medium: AddexBio-formulated EMEM (C0005-01) + 10% FBS Subculture: Split sub-confluent cultures (70-80%) 1:2 to 1:5 using 0.25% trypsin/EDTA. Culture at 5% CO2, 37°C. Feed cells once every 2 to 3 days. Freezing Medium: Complete culture medium supplemented with 5% (v/v) DMSO **Biosafety Level:** I Sterility: Bacteria: Negative Yeast: Negative

Pathogens:

Mycoplasma: Negative

HIV: Negative

Hepatitis B: Negative

Hepatitis C: Negative

DNA Profile (STR):

Amelogenin: X,Y

CSF1PO: 11,12

D13S317: 11,14

D16S539: 9,11

D5S818: 11,12

D7S820: 10,11

THO1: 8

TPOX: 8

vWA: 15

If use of this culture results in a scientific publication, it should be cited in the publication as: MRC-5 (AddexBio T0016002)

Related cells by Organ:

A427 cells

A549 cells

Calu3 cells

H1650 cells

<u>H1703 cells</u>

H1975 cells

H226 cells

H23 cells

H460 cells

H520 cells

HCC4006 cells

SW1573 cells

3D4/2 cells

BEAS-2B cells

MRC-5 cells

Mv 1 Lu cells

RLE-6TN cells

References for MRC-5 cells:

1. Jacobs JP, Jones CM, Baille JP. Characteristics of a human diploid cell designated MRC-5. Nature. 1970 Jul 11;227(5254):168-170. PMID: 4316953

Certificate of Analysis/MSDS is available upon request with lot number

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