

WI-38 | 300428

WI-38

Description: WI-38 is a continuous cell line derived from a 3-year-old female donor. It is a fibroblast cell line that has been shown to be immortalized and capable of indefinite passage. The cells are characterized by their morphology and growth properties. WI-38 cells are used in various research applications, including drug screening and toxicology studies. The cell line is maintained in a defined medium and is free of mycoplasma contamination. WI-38 cells are a valuable tool for studying cellular responses to various stimuli and for testing the safety and efficacy of new drugs.

Organism: Homo sapiens

Tissue: Fibroblast

Synonyms: Wi-38, WI38, WI38, Wistar Institute-38, AG06814E, AG06814G, AG06814H, AG06814-J, AG06814J, AG06814-M, AG06814-N

WI-38

Age: 3 years

Gender: Female

Ethnicity: Caucasian

Morphology: Fibroblast

Cell type: Fibroblast

Growth properties: Adherent

WI-38

Citation: WI 38 (ATCC CCL-21) (300428)

Biosafety level: 1

NCBI\_TaxID: 9606

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CellosaurusAccession CVCL\_0579

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**Culture Medium** EMEM (MEM Eagle) 2 mM L-Glutamine-2.2 g/l NaHCO3 EBSS (820100a)

**Supplements** 10% FBS 1% Penicillin Streptomycin

**Dissociation Reagent** Trypsin

**Subculturing** Cells are trypsinized and resuspended in PBS containing penicillin, streptomycin, and nystatin.

**Freeze medium** Cells are resuspended in DMEM (10% FBS) + 10% DMSO

- 1. Cells are seeded into flasks at a density of 10^5 cells per flask.
- 2. Cells are grown to confluence at 37°C in 5% CO2.
- 3. Media is removed and cells are washed with PBS.
- 4. Cells are trypsinized and resuspended in DMEM (10% FBS).
- 5. Cells are counted and seeded into flasks at a density of 10^5 cells per flask.
- 6. Cells are grown to confluence at 37°C in 5% CO2.
- 7. Media is removed and cells are washed with PBS.
- 8. Cells are trypsinized and resuspended in DMEM (10% FBS).

**Incubation Atmosphere** 37°C, 5% CO2

**Flask Coating** None

