

Product sheet

AH-130 FN | 500451

General Information

Description AH-130 FN is a cell line derived from AH-130, a human fibroblast cell line. It is characterized by its ability to form colonies in soft agar and its tumorigenic properties. The cell line is maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. AH-130 FN is a derivative of AH-130, which was established from a human fibroblast cell line. The cell line is characterized by its ability to form colonies in soft agar and its tumorigenic properties. The cell line is maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin.

Organism Human

Tissue Fibroblast

Disease Cancer

Synonyms AH130FN-TC, AH130FN, AH-130F(N), AH-130FN, AH 130 FN

Characteristics

Morphology Cells are fibroblastic, adherent, and form colonies in soft agar.

Growth properties Cells grow in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin.

References

Citation AH-130 FN (Cytion 500451)

Biosafety level 1

NCBI_TaxID 10116

CellosaurusAccession CVCL_5683

Genetic Information

Tumorigenic Yes, forms colonies in soft agar.

Viruses Cells are susceptible to RAP virus.

Additional Information

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Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L β -glucuronidase, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 1.2 g/L NaHCO ₃ 820400a)
Supplements	10% FBS
Subculturing	1:5
Seeding density	1×10^6 cells/cm ²
Fluid renewal	3-5 days
Post-Thaw Recovery	1-4 weeks, 24 hours
Freeze medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L β -glucuronidase, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 1.2 g/L NaHCO ₃ 820400a) (10% FBS) + 10% DMSO
Thawing and Culturing Cells	<ol style="list-style-type: none">1. Thaw cells in a 37°C water bath, then transfer to a 37°C incubator.2. Wash cells with PBS, then resuspend in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-glucuronidase, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) + 10% FBS.3. Seed cells into a 25 cm² flask at a density of 1×10^6 cells/cm².4. Allow cells to attach for 24 hours.5. Change medium to DMEM:Ham's F12 (1:1), w: 3.1 g/L β-glucuronidase, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) + 10% FBS.6. Harvest cells when confluency reaches 70-80%.7. Seed cells into a 25 cm² flask at a density of 1×10^6 cells/cm².8. Allow cells to attach for 24 hours.
Incubation Atmosphere	37°C, 5% CO ₂ , humidified
Flask Coating	None

