

IEC-18 | 305302

General Information

Description	IEC-18 is a mouse embryonic fibroblast (MEF) cell line derived from a 18-day-old mouse embryo. It is a non-adherent, immortalized cell line that expresses high levels of cAMP response element-binding protein (CREB). IEC-18 cells are used for studying CREB signaling pathways and for generating transgenic mouse models. IEC-18 cells are maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10% insulin, transferrin, and selenium (ITS) supplement.
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Organism	Mouse
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Tissue	Embryonic fibroblasts
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Disease	None
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Synonyms	IEC18, IEC18 MEF, IEC18 MEFs, IEC18 MEF cell line, IEC18 MEF cells
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Characteristics

Breed/Subspecies	CD-1 (CD(SD))
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Age	18-24 days
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Gender	Male
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Morphology	Adherent
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Cell type	Fibroblast
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Growth properties	Adherent
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References

Citation	IEC-18 (ATCC CRL-2730) 305302
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Biosafety level	1
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NCBI_TaxID	10116
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Product sheet

XXXXXXXXXX IEC-18 | 305302

CellosaurusAccession CVCL_0342

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Culture Medium DMEM 4.5 g/l, 4 g/l, 3.7 g/l, NaHCO3 1.0 g/l (820)

Supplements 10% FBS

Dissociation Reagent XXXXXXXX

Subculturing XXXXXXXX PBS XXXXXXXX

Seeding density 2×10^4

Fluid renewal 2 XXXXXXXX

Freeze medium XXXXXXXX (10% FBS) + 10% DMSO XXXXXXXX

- Thawing and Culturing Cells**
1. XXXXXXXX
 2. XXXXXXXX -150 XXXXXXXX
 3. XXXXXXXX 37 XXXXXXXX
 4. XXXXXXXX 70% XXXXXXXX
 5. XXXXXXXX 15 XXXXXXXX 8 XXXXXXXX
 6. XXXXXXXX 300 x XXXXXXXX 3 XXXXXXXX
 7. XXXXXXXX 10 XXXXXXXX
 8. XXXXXXXX

