

IPEC-J2 | 305571

Description

IPEC-J2 is a human intestinal epithelial cell line, derived from a primary culture of human intestinal mucosa. IPEC-J2 cells are highly proliferative and maintain many characteristics of the primary cells, including the ability to form a polarized monolayer with apical microvilli and basolateral tight junctions. IPEC-J2 cells are resistant to TNF- α and GM-CSF, and are highly sensitive to oxidative stress (ROS). IPEC-J2 cells express a variety of receptors, including TLRs (TLRs) and GSH (GSH).

Organism

Tissue

Disease

Synonyms

IPECJ2, -J2

Age

Gender

Morphology

Cell type

Growth properties

Citation

IPEC-J2 (Cytion 305571)

Biosafety level

1

NCBI_TaxID

9823

CellosaurusAccession

CVCL_2246

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**Culture
Medium**

DMEM, w: 4.5g/L , w: 4mM L- , w: 3.7g/L NaHCO₃, w: 1.0mM (820300a)

Supplements

10% FBS

**Dissociation
Reagent**

Subculturing

PBS . T25 3~5ml, T75 5~10ml PBS . T25

**Seeding
density**

1-3×10⁴/cm²

Fluid renewal

1~2

**Freeze
medium**

(FBS) + 10% DMSO , CM-1(Cytion 800100)

**Thawing and
Culturing Cells**

1. .
2. -150°C , 3 .
3. 37°C 40~60 .
4. , 70% .
5. 8ml 15ml .
6. 300 x g 3 .
7. 10ml . T25 , T25
8. .

**Incubation
Atmosphere**

37°C, 5% CO₂' .

Product sheet

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Shipping
Conditions

-78°C

Storage
Conditions

-150°C

-196°C

-80°C

Sterility

PCR