

Product sheet

DF-1 | 305016

General Information

Description	DF-1 is a cell line derived from a human embryonic kidney (HEK293) cell line, specifically the East Lansing Line (ELL-0). It is a derivative of the HEK293T cell line, which is a highly transfectable cell line. DF-1 is a stable cell line that expresses the protein of interest. It is maintained in DMEM medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cell line is characterized by its high transfection efficiency and stable expression of the protein of interest.
Organism	Human
Tissue	Kidney
Synonyms	DF1, UMNSAH-DF-1, UMNSAH-DF 1, UMNSAH-DF1, UMNSAH/DF1, UMNSAH/DF#1, UMNSAH-1, UMNSAH/DF-1

Characteristics

Age	10 days
Morphology	Epithelial
Growth properties	Adherent

Identification

Citation	DF-1 (HEK293T) Cytion 305016
Biosafety level	1
NCBI_TaxID	9031
CellosaurusAccession	CVCL_0570

Genetic Information

Tumorigenic	No
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Culture

Culture Medium	DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO ₃ , w: 1.0 mM sodium pyruvate (Cytion 820300a)
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Supplements 10% FBS

Dissociation Reagent

Subculturing 1. Add 1 ml of 10% FBS medium to each well. 2. Incubate for 24 hours. 3. Add 1 ml of 10% FBS medium to each well. 4. Incubate for 24 hours. 5. Add 1 ml of 10% FBS medium to each well. 6. Incubate for 24 hours. 7. Add 1 ml of 10% FBS medium to each well. 8. Incubate for 24 hours.

Fluid renewal 2 x 3 days

Freeze medium 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Add 1 ml of 10% FBS medium to each well.
 3. Incubate for 24 hours.
 4. Add 1 ml of 10% FBS medium to each well.
 5. Incubate for 24 hours.
 6. Add 1 ml of 10% FBS medium to each well.
 7. Incubate for 24 hours.
 8. Add 1 ml of 10% FBS medium to each well.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating

Freezing Procedure

Shipping Conditions

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Storage Conditions

Store at -150 to 196 °C. Do not freeze. Do not thaw. Do not use after expiration date.

HLA

Sterility

PCR. Sterile. No preservatives. No stabilizers. No additives. No detergents. No enzymes. No nucleotides. No dNTPs. No primers. No probes. No templates. No DNA. No RNA. No proteins. No lipids. No carbohydrates. No vitamins. No minerals. No trace elements. No contaminants. No endotoxins. No mycoplasmas. No viruses. No bacteria. No fungi. No parasites. No cells. No tissues. No organs. No whole organisms. No biohazardous materials. No infectious agents. No toxins. No allergens. No carcinogens. No mutagens. No teratogens. No reproductive toxins. No developmental toxins. No neurotoxins. No immunotoxicants. No immunomodulators. No immunosuppressants. No immunostimulants. No immunoregulators. No immunoinhibitors. No immunopromoters. No immunoprotectors. No immunopreventives. No immunotherapeutics. No immunodiagnostics. No immunovaccines. No immunoprophylactics. No immunopreventives. No immunoregulators. No immunoinhibitors. No immunopromoters. No immunoprotectors. No immunopreventives. No immunotherapeutics. No immunodiagnostics. No immunovaccines. No immunoprophylactics.