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Citation	VSC4.1 (Cytion 305887)
Biosafety level	1
NCBI_TaxID	10116
CellosaurusAccession	CVCL_D630
GMO Status	Not a GMO, but contains genetic material from a GMO (N18TG2). The genetic material is derived from a GMO (N18TG2) and is not a GMO itself.

Product sheet

VSC4.1 | 305887

Cell line: VSC4.1 - Human Vaginal Squamous Carcinoma

Characteristics

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)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	24-36 h
Split ratio	1:3 (1:6 to 1:8 depending on cell density)
Seeding density	1-3 × 10 ⁴ cells/cm ²
Fluid renewal	2-3 times per week
Freeze medium	DMEM + 10% DMSO + 10% FBS

Thawing and Culturing Cells	1. Thaw cells quickly in a 37°C water bath, then transfer to a pre-warmed medium. 2. Centrifuge at 200 x g for 5 min, remove supernatant, and resuspend in fresh medium. 3. Seed cells into a T75 flask at a density of 1-3 × 10⁴ cells/cm². 4. Incubate at 37°C in 5% CO₂ until cells reach 70-80% confluency. 5. Perform a trypsin digest and count the cells. 6. Seed cells into a new flask at a density of 1-3 × 10⁴ cells/cm². 7. Repeat the process for subsequent passages.
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Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture

Freezing Procedure Cells are seeded into 25 cm² flasks and grown to confluence. Cells are then trypsinized and resuspended in freezing medium. The suspension is then aliquoted into 1 mL vials and frozen at -78°C.

Shipping Conditions Cells are shipped in dry ice at -78°C.

Storage Conditions Cells are stored at -150 °C for up to 196 weeks.

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