

Product sheet

Walker-256 (LLC-WRC 256) | 500375

General Information

**Description** Walker-256 is a cell line derived from a Walker-256 tumor, which is a highly metastatic, poorly differentiated adenocarcinoma of the rat. It is characterized by its ability to form large, necrotic, hemorrhagic masses in various organs, including the liver, lungs, and spleen. The cells are highly proliferative and have a high degree of genetic instability, leading to a high degree of heterogeneity within the cell line. Walker-256 cells are typically grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin, 10 ng/ml transferrin, and 10 ng/ml selenium (ITS).

**Organism** Rat

**Tissue** Adipose tissue

**Disease** Adipogenic tumor

**Synonyms** LLC-WRC 256, LLC-WRC256, Walker-256, Walker-Ca.256, W256, Walker-256 cells, Walker-256 cell line, Walker-256 cell culture, Walker-256 cell line 256

Characteristics

**Breed/Subspecies** Walker-256

**Age** 1-2 weeks

**Gender** Male

**Growth properties** Adipogenic

References

**Citation** Walker-256 (Walker-256) Cytion 500375

**Biosafety level** 1

**NCBI\_TaxID** 10116

**CellosaurusAccession** CVCL\_3537

Additional Information

Notes

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**Culture Medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a)

**Supplements** 10% FBS, 0.01  $\mu$ M dexamethasone, 4.5  $\mu$ M insulin, 1  $\mu$ M transferrin, 10  $\mu$ M HEPES

**Subculturing** 5-6 passages

**Freeze medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a), 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
  2. Centrifuge cells at 300 x g for 3 minutes.
  3. Resuspend cells in 15 mL of culture medium.
  4. Seed cells into a T25 flask at 70% confluency.
  5. Incubate cells at 37°C in 5% CO<sub>2</sub>.
  6. Monitor cell growth and passage when cells reach 70-80% confluency.
  7. Perform subculturing using trypsin.
  8. Store cells in cryovials for long-term storage.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

**Flask Coating** None

**Freezing Procedure** Freeze cells in cryovials at -78°C

**Shipping Conditions** Ship cells in cryovials at -78°C

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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 antibiotics. 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 heavy metals. No pesticides. No herbicides. No fungicides. No insecticides. No rodenticides. No molluscicides. No nematocides. No acaricides. No molluscicides. No nematocides. No acaricides. No molluscicides. No nematocides. No acaricides.