

KYSE520 | 305449

Description KYSE520 (ESCC) is a cell line derived from a 58-year-old male patient with gastric adenocarcinoma. The cell line is characterized by its ability to grow in vitro and its sensitivity to various chemotherapeutic agents. It is a well-established model for studying gastric cancer biology and drug response.

Organism Human

Tissue Stomach

Disease Gastric adenocarcinoma

Synonyms KYSE 520, KYSE-520, KYSE520, KYSE0520, KYSE0520

Age 58 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial cells

Growth properties Adherent, epithelial growth

Citation KYSE520 (ATCC CCL-1355) | 305449

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1355

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Oncogenes TP53 MYC

Mutational profile TP53 c.376-2A>T

Culture Medium RPMI 1640 10% FBS

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:2 to 1:10 in RPMI 1640 10% FBS

Seeding density $0.6 - 1.2 \times 10^4$ cells/cm²

Fluid renewal 2x per week

Freeze medium RPMI 1640 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]
5. [Redacted]
6. [Redacted]
7. [Redacted]
8. [Redacted]

Incubation Atmosphere 37 [Redacted]

Flask Coating [Redacted]

Freezing Procedure [Redacted]

Shipping Conditions [Redacted]

Storage Conditions [Redacted]

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Sterility [Redacted]