



ECACC General Cell Collection: KYSE-30

Supplied by: European Collection of Authenticated Cell Cultures (ECACC)

Culture Type: Cell line

Collection: ECACC General Collection

Catalogue No.: 94072011

Cell Line Name: KYSE-30

Citation Guidance: If use of this culture results in a scientific publication, it should be cited in the publication as: KYSE-30 (ECACC 94072011)

Keywords: Human Asian squamous cell carcinoma

Cell Line Description: KYSE-30 was established from the oesophageal cancer of an untreated 64 year old male. The tumour sample was taken from the mucosal surface of a well differentiated squamous cell carcinoma. The cell line KYSE-30 was established with the use of tumours initially transplanted to athymic mice. The cells are reported to have a doubling time of 20.8 hrs in the exponential growth phase. A p53 mutation at the splice acceptor site of intron 6 and a 12 fold amplification of c-erb B has been reported. KYSE-30 cells express a large number of epidermal growth factor receptors, $1.2 \times 10,000,000$ sites/cell.

Species: Human

Tissue of Origin: oesophagus

CellType: Polygonal

Growth Mode: Adherent

Karyotype: Aneuploid

Biosafety Information: Unless specified otherwise, at the European Collection of Authenticated Cell Cultures (ECACC) we routinely handle all of our cell lines at containment level 2 in accordance with the ACDP guidelines. ACDP = Advisory Committee on Dangerous Pathogens (UK)

All cell cultures have the potential to carry as yet unidentified adventitious agents. It is the responsibility of the end user to ensure that their facilities comply with biosafety regulations for their own country.

ACDP Guidance: Biological agents: Managing the risks in laboratories and healthcare premises.

Hyperlinks to MSDS documents:

Frozen cell cultures Material Safety Data Sheet

Growing cell cultures Material Safety Data Sheet

Nucleic acids derived from cell cultures Material Safety Data Sheet

Subculture Routine: Split sub-confluent cultures (70-80%) 1:10 i.e. seeding at 1x10,000 cells/cm² using 0.05% trypsin or trypsin/EDTA; 5% CO₂; 37°C.

Culture Medium: RPMI 1640 + Ham's F12 (1:1) + 2mM Glutamine + 2% Foetal Bovine Serum (FBS).

Depositor: Dr Y Shimada, First Department of Surgery, Faculty of Medicine, Kyoto University, Kyoto

Originator: Yes

Country: JAPAN

References: Shimada Y, Imamura M, Wagata T, Yamaguchi N, Tobe T.1992 Characterization of 21 newly established esophageal cancer cell lines. Cancer. 69(2):277-84. Erratum in: Cancer 1992 70(1):206 PMID: 1728357.

Additional Bibliography: Int J Cancer 1994;58:291; Int J Cancer 1996;65:372; Arch Jpn Chir 1993;63(3):153-165

Patents: None specified by Depositor

Release Conditions: No