Melanoma Mel-2183 cell line

Source of cells: Dr. Yardena Samuels (samuelsy@mail.nih.gov) from the National Cancer Institute. Melanoma cell line derived in the Surgery Branch of the NCI. This sample is from an individual that was anonymized and coded.

Sex: Male

Melanoma type: Primary site is unknown.

Generation of the melanoma cell line. Tumor source: subcutaneous shoulder metastasis. Tumor culture preparation: a single cell suspension was produced by mechanical cell separation (Medimachine, BD Biosciences; San Jose, CA), followed by Ficoll-Hypaque density gradient enrichment of viable tumor cells. Cells were cultured at 37C in 5% CO2, in media described below, initially in wells of a 24-well culture plate. Cells were cryopreserved after 37 days (7 passages) in culture. Cytopathology, including immunohistochemistry, established the melanoma nature of the cells (Dr. A. Filie). PCR culture tests for contamination with were negative. SNP analysis using tumor cells and peripheral blood cells from the tumor donor ruled out cross contamination by other tumor lines (Dr. Y Samuels).

Growth media:
RPMI 1640 (with L-glutamine)
10% Heat-Inactivated FCS
25mM Hepes

Standard adherent cell culture conditions apply with the following additional information:

-After thawing wash out DMSO before plating.

-Cells are grown in 50 ml medium in T175

-If cells 70% and above confluent-split ½ (always use new T175s)

-If cells not 70% confluent-change 50% of the medium (25ml) every 3-4 days