NCI-H23

305044

GENERAL INFORMATION

Description

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Tissue	□
Disease	□□□
Metastatic site	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Applications

□□□□□□KRAS G12C □□□□□□□□□□□NSCLC□□□□□□□□□EGFR □□□□□c-Myc □□□□□□□□□□□□□□□□□□□□□NCI-60 □□□□□□□□□ PDGF/TGF-β □□□□

Synonyms

- NCI-H23
- NCI.H23
- NCI H23
- H-23
- NCIH23

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Adherent
GMO status	Non-GMO

GMO status details

No genetic modification; wildtype lung adenocarcinoma cell line. Somatic mutations (KRAS G12C, TP53 codon 246) are endogenous tumor-derived changes.

Biosafety level	1

CHARACTERISTICS

Morphology	□□□
Cell type	□□□□
Doubling time	38 □□

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BIC: SOLADES1HDB

IDENTIFIERS

Citation

NCI-H23□Cytion □□ 305044□

NCBI TaxID	9606
Cellosaurus	CVCL_1547

EXPRESSION AND SUSCEPTIBILITY

Protein expression

Myc+□src+□abl+□erb+□ras+□sis -

HANDLING AND CULTURE

Culture medium

RPMI 1640□□ 2.0 mM □□□□□□□□ 2.0 g/L $NaHCO_3$□Cytion □□□□ 820700a□

Incubation atmosphere	37°C□5% CO_2□□□□□□

Supplements

□□□□□□□ 10% □□□□□□FBS□

Dissociation reagent	Accutase

Subculturing

□□□□□□□□□□□□□□□□□□□□□□PBS□□□□□T25□□□□□3-5□□PBS□T75□□□□□□5-10□□□ □□□□ Accutase □□□□□□□T25 □□□□□ 1–2 □□□T75 □□□□□□ 2.5 □□□□□□□□□□□□ 8–10 □□□□□□□□ □□□□□□□□ 10 □□□□□□□□□□□□□□□□□□□□ 300xg □□ 3 □□□□ □□□□□□□□□□□□□□□□□□□□

Freeze medium	□□□□□□□□□□□□□□□□□□□□□□□□□□ FBS□+ 10% DMSO □□□□□□□□□□□□□□□ CM-1 □Cytion □□ 800100□□□□□□□□□□□□□□□□□□□