

NCI-H2122 | 305600

Description	NCI-H2122	NSCLC	KRAS G12C	NSCLC	MAPK
	NCI-H2122	MAPK	CRISPR	MAPK7 (ERK5)	MEK
	NCI-H2122	NSCLC	BRAF		

Organism

Tissue

Disease

Metastatic site

Synonyms H2122 H-2122 NCH2122

Age	46
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Gender

Ethnicity

Morphology

Growth properties

Citation	NCI-H2122 Cytion 305600
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Biosafety level 1

NCBI_TaxID	9606
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CellosaurusAccession CVCL_1531

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Mutational profile	KRAS p.Gly12Cys (c.34G>T)	TP53 p.Gln16Leu c.47A>T	TP53 p.Cys176Phe c.527G>T
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Culture Medium	RPMI 1640 w 2.0 mM	w 2.0 g/L NaHCO3 Cytion	820700a
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Supplements	10% FBS
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Dissociation Reagent	Accutase
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Subculturing	PBS	T25	3-5	PBS	T75	5-10	TrypLE Express	T25	1-2	T75	2.5
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Split ratio	1:3	1:4
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Fluid renewal	2	3
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Freeze medium	FBS +10% DMSO	CM-1 Cytion	800100	CM-1 Cytion	800100
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Thawing and Culturing Cells	1.				
	2.	-150°C		3	
	3.	37°C		40-60	
	4.		70%		
	5.	8	15		
	6.	300 x g	3		
	7.	10		T25	T25
	8.				

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**Incubation
Atmosphere** 37°C, 5% CO₂

Flask Coating

**Freezing
Procedure** -78 °C

**Shipping
Conditions** -78 °C

**Storage
Conditions** -150 -196 -80 °C

/ **/HLA**

Sterility PCR