Hela-Luc

305664

GENERAL INFORMATION

Description

□□□□□ HeLa-Luc □□□□□□

CHARACTERISTICS

Morphology	□□□□□□□□□□□□□□□□□□□□□□

IDENTIFIERS

Citation

□□□□-□□□ (□□□□□□□□□□□□□□□□□ Cytion 305664)

NCBI TaxID	9606
Cellosaurus	CVCL_YA88

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

Luc2 (□□□□□□, □□□□□-□□□□□□□□□□)

Isoenzymes

□□6□□□□, □□

Virus susceptibility

□□□□□□□□□□□ 1, 2, 3, □□□□□□□□□□□□□□□□□□□□ (□□□□□□□□□□), □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□, □□□□ □□□□□□□ 5

Reverse transcriptase	□□□□□□

Products

□□□□□□□

HANDLING AND CULTURE

Culture medium

EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO3, w: EBSS (□□□□□□□□□□□□□□ Cytion 820100a)

Incubation atmosphere	37°C, 5%CO2, □□□□□□□□□□□□□

Supplements

□□□□□□□□□□□□□□□□□□□□□□□□□□ FBS 10% □□□ NEAA 1%

Dissociation reagent	□□□□□□□□
Seeding density	1 □□□ 3 x 10^4 □□□□□/□□□□□□□□□□^{2}
Fluid renewal	2 □□□ 3 □□□□□□□□□□□□□□□□

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit. Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 200 x g for 5 minutes, carefully discard the supernatant containing freezing medium.
Follow the procedure described under Post-Thaw Recovery

QUALITY CONTROL AND CRYOPRESERVATION

Freeze medium	□□□□