

Product sheet

HK Mad2-LAP/H2B-mCherry | 300920

Product ID

Description HK Mad2-LAP/H2B-mCherry is a HeLa Kyoto cell line expressing Mad2-LAP and H2B-mCherry. The cells are maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The cells are characterized by high transfection efficiency and stable expression of the transgene.

Organism HeLa

Tissue Cervix uteri

Disease Cervical cancer

Synonyms HeLa Kyoto Mad2-LAP H2B-mCherry, HeLa Kyoto Mad2-LAP

Characteristics

Age 30 days

Gender Female

Ethnicity African-Asian

Morphology Adherent, epithelial cells

Growth properties High growth rate, easy to maintain

References

Citation HK Mad2-LAP/H2B-mCherry (Cytion 300920)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1D65

Depositor Cytion GmbH (EMBL)

GMO Status GMO-S1: HeLa Kyoto cells expressing Mad2-LAP H2B-mCherry

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Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not let the cells sit on ice. After thawing, centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 ml of fresh medium.
2. Seed the cells into a 150 cm² flask containing 150 ml of fresh medium. Seed at a density of approximately 1.5 x 10⁶ cells per flask.
3. Incubate the cells at 37°C in 5% CO₂. Monitor the cells daily for confluency.
4. Once the cells reach 70% confluency, they are ready for passaging.
5. Prepare a new flask with 150 ml of fresh medium. Add 8 ml of the cell suspension from the previous flask.
6. Mix the cells gently and incubate at 37°C in 5% CO₂.
7. Passaging: When cells reach 70-80% confluency, trypsinize the cells. Add 10 ml of trypsin solution. Incubate for 2-3 minutes at 37°C. Add 10 ml of medium to stop the reaction.
8. Centrifuge at 300 x g for 3 minutes. Resuspend the cells in 10 ml of fresh medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating No coating

Freezing Procedure Harvest cells at 70-80% confluency. Wash with PBS. Add 10 ml of freezing medium. Centrifuge at 300 x g for 3 minutes. Resuspend in 1 ml of freezing medium. Aliquot into 1 ml vials. Freeze at -80°C.

Shipping Conditions Store at -80°C. Ship on dry ice.

Storage Conditions Store at -150°C for 196 weeks.

Genotype / HLA

Sterility

PCR genotyping for mycoplasma contamination. Results are available upon request.

Cells are free of mycoplasma contamination.