

Product sheet

HB-CLS-2 | 300191

General Information

Description	HB-CLS-2 is a cell line derived from a human breast cancer cell line (MCF-7) and is characterized by its high proliferation rate and ability to form mammary gland-like structures in culture.
Organism	Human
Tissue	Breast
Disease	Breast Cancer
Synonyms	HBCLS2

Characteristics

Age	50 years
Gender	Female
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent

Identification

Citation	HB-CLS-2 (ATCC CRL-2438) (300191)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_6214

Genetic Information

Tumorigenic	Yes
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Additional Information

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HEK293T HB-CLS-2 | 300191

Culture Medium DMEM: DMEM:Ham's F12 (1:1) 3.1 µg/ml / 2.5 µg/ml (15 µg/ml)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:2 to 1:10 in DMEM:DMEM:Ham's F12 (1:1) 3.1 µg/ml / 2.5 µg/ml (15 µg/ml)

Seeding density 1×10^4 cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery 1-2 weeks

Freeze medium DMEM:DMEM:Ham's F12 (1:1) 3.1 µg/ml / 2.5 µg/ml (15 µg/ml) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Dilute cells into DMEM:DMEM:Ham's F12 (1:1) 3.1 µg/ml / 2.5 µg/ml (15 µg/ml) + 10% FBS.
 3. Seed cells into a 24-well plate at 1×10^4 cells/cm².
 4. Incubate cells for 70% confluency.
 5. Seed cells into a 96-well plate at 1×10^4 cells/cm².
 6. Incubate cells for 30-35% confluency.
 7. Seed cells into a 96-well plate at 1×10^4 cells/cm².
 8. Incubate cells for 30-35% confluency.

Incubation Atmosphere 37°C, 5% CO₂

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Flask Coating XX XXX

Freezing Procedure XXX XXX XXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXX XXX XXX XXX XXX XXXXXX XXXXXXXX XXX XXXXXX XXX XXXXXX XXX XXXXXX XXXXXX-78

Shipping Conditions XXX XXX XXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXX XXX XXX XXX XXX XXXXXX XXXXXXXX XXX XXXXXX XXX XXXXXX XXX XXXXXX XXXXXX-78

Storage Conditions XXXXX XXX XXXXXXXX XX XXXXXXXX XX XXXXXXXX XXX XXX XXX XXX XXX XXXXXX XXXXXXXX XXX XXXXXX XXX XXXXXX XXX -150 X -196 XXXX XXXXXX XXXXXX

XXXXXXXX XXXXXXXX / XXXXXXX XXXXXXXX / HLA

Sterility XXXXXXX XXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXX XX XX XXXXXXXXXXXX XXXXXXXX XXX XXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXX (PCR) XXXX XXXXXX XXX
XXXXXXXX XXX XXXX XXXXX XXXXXXXX XX XXXXXX XX XXXXXX XXX XXXXXX XXXXXX XXXXXXXX XXXXXXX XXXXXXX XXXXXXX

- XXXXXXXX HLA A*: '24:02:01, '32:01:01
- B*: '27:02:00, '55:01:01
- C*: '02:02:02, '03:03:01
- DRB1*: '08:01:01, '10:01:01
- DQA1*: '01:05:01, '04:01:01
- DQB1*: '04:02:01, '05:01:01
- DPB1*: '02:01:02, '03:01:01
- E: '01:01, '01:03