

BEWO | 300123

BEWO

Description	BeWo, is a human chorionic trophoblastic cell line derived from a term placenta. It is a continuous cell line that grows in the presence of insulin, transferrin, selenium, and progesterone. The cells are characterized by their high expression of human chorionic gonadotropin (hCG) and their ability to differentiate into various trophoblastic cell types. BeWo cells are commonly used in research related to placental development, hCG production, and trophoblastic diseases. They are also used in studies of cell adhesion, migration, and invasion. BeWo cells are typically grown in DMEM/F12 medium supplemented with insulin, transferrin, selenium, and progesterone. They are characterized by their high expression of human chorionic gonadotropin (hCG) and their ability to differentiate into various trophoblastic cell types. BeWo cells are commonly used in research related to placental development, hCG production, and trophoblastic diseases. They are also used in studies of cell adhesion, migration, and invasion. BeWo cells are typically grown in DMEM/F12 medium supplemented with insulin, transferrin, selenium, and progesterone.
Organism	Human
Tissue	Placenta
Disease	Chorionic trophoblastic disease
Metastatic site	Human
Synonyms	BeWo, Be Wo, Be-Wo
Age	Adult
Gender	Female
Morphology	Epithelial cells
Growth properties	Adherent
Citation	BEWO (Cytion 300123)
Biosafety level	1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_0044

XXXXXXXX XXXX-XXXXXXXXXXXX

Isoenzymes G6PD, B

Virus susceptibility XXXXXXXXXX 3, XXXXXXXXXX XXXXXXXXXX (XXXXXXXXXX)

Reverse transcriptase XXXXXX

Products XXXXXXXXXX, XXXXXXXXXXXXXXXXXX XXXXXXXXXX XXXXXX (XXXXXXXX XXXXX), XXXXXXXXXX, XXXXXXXXXX, XXXXXXXXXX, XXXXXXXXXX, XXXXXXXXXX, XXXXXXXXXX

XXXXXX

Culture Medium Ham's F12K Medium, w: 2.0 mM L-Glutamine, w: 2.0 mM Sodium pyruvate, w: 2.5 g/L NaHCO₃ (XXXXX XXXXX Cytion 820608a)

Supplements XXXXX XXXXXX 10% FBS

Dissociation Reagent XXXXXXXX

Subculturing XXX XXX XXXXXXX XXXXX XXXXXXX XXXXXXX XXXXXX XXXXX X-PBS XXX XXXXX XXXXXXXXXX XXXXX XXXXXXX T25, XXXXXXX X-3-5 X' X-PBS, XXXXXXX XXX 3 XXXXX. XXXXX XXX XXXXXXX XXXXXXX, XXXXX XXX XXXXXXX XXXXXXX XXXXX XXX XXXXXXX XXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX

Seeding density XXXXXXX⁴ XXXXXXXXXX 1 x 10

Fluid renewal 2 XXX 3 XXXXXXX XXXXXXX

Post-Thaw Recovery XXXXX XXXXXXX⁴ XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXX XXXXXXX 24 XXXXX XXXXXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXXX (XXXXX FBS) + 10% DMSO XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX, XXX C

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入37°C孵育箱中孵育24小时。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C液氮中冷冻24小时。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入37°C孵育箱中孵育24小时。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入70%乙醇中冷冻24小时。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入15 μl 8 μl 的细胞悬液中。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入300 x g 3 的细胞悬液中。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入10 μl 10 μl 的细胞悬液中。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入10 μl 10 μl 的细胞悬液中。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C液氮中冷冻24小时。

Shipping
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C液氮中冷冻24小时。

Storage
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-150°C液氮中冷冻24小时。

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Sterility

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶放入-78°C液氮中冷冻24小时。

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HLA

A*: '01:01:01, '11:01:01

B*: 08:13, 35:01:01

C*: 04:01:01, 07:01:01

DRB1*: '01:03:01, '03:01:01

DQA1*: '01:01:01, '05:01:01

DQB1*: '02:01:01, '05:01:01

DPB1*: '01:01:01, '04:01:01

E: 01:01:01