

BEL-7402 | 305308

General information

Description	BEL-7402 is a human gastric cancer cell line (HCC) derived from a 55-year-old male patient. It is a highly proliferative, anchorage-dependent cell line that grows in the form of monolayers. The cells are characterized by their ability to form spheroids in suspension culture. BEL-7402 cells are highly sensitive to various chemotherapeutic agents, including cisplatin, 5-fluorouracil, and doxorubicin. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. HeLa cells are used as a control for transfection efficiency. BEL-7402 cells are highly sensitive to various chemotherapeutic agents, including cisplatin, 5-fluorouracil, and doxorubicin. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. HeLa cells are used as a control for transfection efficiency.
Organism	Human
Tissue	Gastric cancer
Disease	Gastric cancer
Synonyms	Bel-7402, BEL 7402, Bel 7402, BEL7402, Bel7402

Cell characteristics

Age	30,5 years
Gender	Male
Ethnicity	Chinese

Cell culture conditions

Citation	BEL-7402 (ATCC CCL-232) Cytion: 305308
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5492

Cell culture media and supplements

Cell culture media

Doubling time	20 hours, 31.2 ± 1.1 hours
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**Freeze
medium**

Freeze medium: BEL-7402 cells + 10% DMSO in serum-free medium.

**Thawing and
Culturing Cells**

1. Thaw the cells rapidly in a water bath at 37°C.
2. Dilute the cells into serum-containing medium.
3. Seed the cells into a 25 cm² flask.
4. Incubate the cells at 37°C in 5% CO₂.
5. After 24 hours, replace the medium with fresh serum-containing medium.
6. After 48 hours, replace the medium with fresh serum-containing medium.
7. After 72 hours, replace the medium with fresh serum-containing medium.

**Incubation
Atmosphere**

37°C, 5% CO₂

**Shipping
Conditions**

Shipped at -78°C.

**Storage
Conditions**

Store at -150 to -196°C.

Product Name **Product Number** **Product Type** **Product Status**