

BT-474 | 300131

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|--------------------|--------|------|--------|
| Description | BT-474 | 60 | BT-474 |
| | BT-474 | HER2 | |

Organism

Tissue

Disease

Metastatic site

| | |
|-----------------|---------------|
| Synonyms | Bt-474, BT474 |
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| | |
|------------|----|
| Age | 60 |
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Gender

Ethnicity

Morphology

Growth properties

| | | |
|-----------------|----------------|---------|
| Citation | BT-474 (Cytion | 300131) |
|-----------------|----------------|---------|

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|------------------------|---|
| Biosafety level | 1 |
|------------------------|---|

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|-------------------|------|
| NCBI_TaxID | 9606 |
|-------------------|------|

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|-----------------------------|-----------|
| CellosaurusAccession | CVCL_0179 |
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| Receptors expressed | her-2/neu+ er+ pr+ |
|----------------------------|--------------------|

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|-------------------|---|--------|
| Isoenzymes | G6PD B PGM3 1 PGM1 1 ES-D 1 Me-2 0 AK-1 1 GLO-1 1 | 0.0426 |
|-------------------|---|--------|

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| Tumorigenic | |
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| Virus susceptibility | RIII-MuMTV |
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| MSI-status | MSS |
|-------------------|-----|

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|---------------------------|------|
| Mutational profile | TP53 |
|---------------------------|------|

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|------------------|-----------------------|
| Karyotype | 55 50 112 3 58 59 100 |
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|-----------------------|---------------------------------|--------------|----------------|-----------|----------------------------|
| Culture Medium | DMEM:Ham's F12 (1:1) w: 3.1 g/L | w: 2.5 mM L- | w: 15 mM HEPES | w: 0.5 mM | w: 1.2 g/L NaHCO3 (Cytion) |
|-----------------------|---------------------------------|--------------|----------------|-----------|----------------------------|

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|--------------------|-----------------|
| Supplements | 10% FBS 10µg/mL |
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|----------------------|-------|
| Doubling time | 60 80 |
|----------------------|-------|

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|---------------------|-----|-----|-----------|------------|-----|------|
| Subculturing | PBS | T25 | 3-5ml T75 | 5-10ml PBS | T25 | 1-2m |
|---------------------|-----|-----|-----------|------------|-----|------|

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| Seeding density | 2×10 ⁴ /cm ² |
|------------------------|------------------------------------|

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|----------------------|-----|
| Fluid renewal | 2 3 |
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|---------------------------|-----|------|
| Post-Thaw Recovery | 90% | 100% |
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|----------------------|-----|---------|------|
| Freeze medium | FBS | 10 DMSO | CM-1 |
|----------------------|-----|---------|------|

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| Thawing and Culturing Cells | | | | |
|-----------------------------|---------|------|------|-------|
| 1. | | | | |
| 2. | | -150 | | 3 |
| 3. | | 37 | | 40 60 |
| 4. | 70 | | | |
| 5. | | 8ml | 15ml | |
| 6. | 300 x g | 3 | | |
| 7. | 10ml | | 2 | T25 |
| 8. | | | | |

Incubation Atmosphere 37 5% CO₂

Flask Coating

Freezing Procedure -78

Shipping Conditions -78

Storage Conditions -150 -196 80

HLA

Sterility PCR

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HLA

A*: '01:01:01, '29:02:01

B*: '07:02:01, '44:03:01

C*: '07:02:01, '16:01:01

DRB1*: '04:01, '15:01

DQA1*: '01:02:01, '03:03:01

DQB1*: '06:02:01

DPB1*: 04:01:01g, 05:01:01g

E: '01:01:01, '01:03:02