

# THCECb Cell Line

**Catalogue number:** 153755

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Michael Apicella

**Institute:** The University of Iowa

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** THCECb Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** This cell line was developed to study *Neisseria gonorrhoeae* (Gonorrhea) infection in women. Women with *N. gonorrhoeae* are often asymptomatic leading to chronic infections, upper genital tract infections leading to pelvic inflammatory disease, and increase risk for contracting HIV. This cell line has been used in studying biofilm production of *N. gonorrhoeae* which can exacerbate the illness and infection. This cell line expresses complement receptor type III on the surface and secretes complement components, necessary for gonococcal attachment and invasion of cervical epithelial cells.

**Purpose:**

**Parental cell:**

**Organism:** Human

**Tissue:** Cervix

**Model:** Immortalised Line

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** This cell line was derived from primary cervical cells obtained from cervical

biopsies and immortalized with E6/E7.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Sexually transmitted diseases (STIs)

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** Serum-free keratinocyte growth media (K-SFM) supplement 500 mL of basal media with 12.5 mg BPE and 0.08 ug EGF. Media may be supplemented with 15 PenStrep for routine maintenance.

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

# References

References:

CancerTools.org