

# HCT 116-I6 Invasive Cell Line

**Catalogue number:** 153208

**Sub-type:** Continuous

**Images:**

## Contributor

**Inventor:** Sandra Van Schaeybroeck

**Institute:** Queen's University Belfast

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** HCT 116-I6 Invasive Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** The HCT 116-I6 cell line is a sub-line of HCT 116 that demonstrates a 4- and 20-fold increase in migration and invasion rate respectively compared to the parental cell line.

**Purpose:**

**Parental cell:** HCT 116

**Organism:** Human

**Tissue:** Colon

**Model:** Cancer Model

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:** Invasion, migration

**Production details:** HCT 116 cells were incubated in a Matrigel Invasion Chambers (MIC) for 72-96h. The cells that invaded through to the bottom chamber were collected and designated as HCT 116-I6 Invasive 1 (I1). These cells were propagated and repeatedly passed through the MIC until highly invasive HCT 116-I6 cells were selected.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** McCoy's 5a Medium (GIBCO # 16600) + 10% FBS + 100 units/ml penicillin+ 100  
?g/ml streptomycin

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

## References

**References:** Dunne et al. 2016. Clin Cancer Res. 22(1):230-42. PMID: 26283684. ; EphA2 Expression Is a Key Driver of Migration and Invasion and a Poor Prognostic Marker in Colorectal Cancer.

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