

**XXX MCA-205 | 305730**

**XXXXXX XXXXXX**

|             |                                                                                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | MCA-205 是一种小鼠黑色素瘤细胞系，源自 C57BL/6。该细胞系具有黑色素瘤特征，包括黑色素产生、转移能力和对某些化疗药物的敏感性。MCA-205 细胞系常用于研究黑色素瘤的生物学特性、转移机制以及评估新的治疗方法。MCA-205 细胞系在体外和体内均表现出黑色素瘤特征，包括黑色素产生、转移能力和对某些化疗药物的敏感性。MCA-205 细胞系在体外和体内均表现出黑色素瘤特征，包括黑色素产生、转移能力和对某些化疗药物的敏感性。 |
| Organism    | 小鼠                                                                                                                                                                                                                         |
| Disease     | 黑色素瘤                                                                                                                                                                                                                       |
| Synonyms    | MCA 205, MCA205                                                                                                                                                                                                            |

## XXXXXXXXXXXX

**Growth properties** 



|                      |                                        |
|----------------------|----------------------------------------|
| Citation             | MCA-205 (XXXXX XXXXXXXX Cytion 305730) |
| Biosafety level      | 1                                      |
| NCBI_TaxID           | 10090                                  |
| CellosaurusAccession | CVCL_VR90                              |

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

**Mutational profile**

## XXXXXX

|                       |                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Culture Medium</b> | RPMI 1640, w: 2.0 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ , w: 2.0 g/L $\text{NaHCO}_3$ ( $\text{CaCl}_2$ $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ $\text{CaCl}_2$ Cytion 820700a) |
| <b>Supplements</b>    | $\text{CaCl}_2$ $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ 10% FBS $\text{CaCl}_2$ 1% NEAA                                                                                               |

**Cell MCA-205 | 305730**

**Dissociation  
Reagent**

Trypsin

**Freeze  
medium**

Freezing medium: 90% FBS + 10% DMSO. Cells are suspended in this medium and frozen in liquid nitrogen.

**Thawing and  
Culturing Cells**

1. Thaw cells rapidly in a water bath at 37°C.
2. Add 10 ml of FBS to the tube and mix gently.
3. Centrifuge at 300 x g for 5 minutes.
4. Remove the supernatant and resuspend the cells in 10 ml of FBS.
5. Seed cells into a T25 flask containing 10 ml of FBS.
6. Incubate cells in a humidified CO<sub>2</sub> incubator at 37°C.
7. Monitor cell growth and passage cells when they reach 80-90% confluency.
8. Cells are ready for use in experiments.

**Incubation  
Atmosphere**

37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating**

Not required

**Shipping  
Conditions**

Cells are shipped on dry ice in a cool box at -78°C.

**Storage  
Conditions**

Cells can be stored in liquid nitrogen for up to 12 months.

**Cell MCA-205 | 305730**

**Sterility**

Cells are supplied as a suspension in FBS and are sterile.

Cells are tested for mycoplasma contamination and found to be negative.