



Immature Dendritic cell kit

cMylc™-2-K cell kit

User's Guide

## PRODUCT INFORMATION

---

Product Ref: cMylc™-2-K cell kit

Thank you for purchasing the cMylc™-2-K cell kit. After receiving your product, you may follow this guide for successful culture. Refer to the cMylc™-2-K cell kit Product Sheet for more details on the product.

## STORAGE

---

Here are the indications to storage your different kit's products:

Name	Storage temperature
cMylc™-2-K cell	-150 °C
Culture medium A (αMEM with 10% FBS)	-20 °C
Supplement A	-80 °C
Culture medium B (αMEM with 10% FBS)	-20 °C
Supplement B	-80 °C

## PRODUCT USE

---

cMylc™-2-K cell kit are intended for in vitro research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

## SAFETY PRECAUTIONS

---

Wear the appropriate personal protection equipment and handle the frozen vials with due caution. This product should be treated as potentially infectious and only used in adequate biological safety premises and conditions.

Do not ingest. In case of contact with eyes, rinse immediately with water for at least 15 min and seek medical advice. Environmental measures: soak up with inert absorbent material. Clean with bleach and rinse thoroughly. Prevent further leakage or spillage if safe to do so. MiCAN can not be held liable for any damage or losses resulting from the handling or from contact with the product.



## BEFORE YOU START

If you perform cMylc™-2-K cell kit culture for the first time, you might feel more confident with a little help. Our skilled technical support staff is fully available at [contact@phenocell.com](mailto:contact@phenocell.com) and by phone or online at [www.phenocell.com](http://www.phenocell.com). Do not hesitate to contact us to get personalized help and fully achieve your goals with cMylc™-2-K cell kit.

### FOR RESEARCH USE ONLY

Not intended for human or animal diagnostic, therapeutic or clinical applications.

MiCAN cannot guarantee the biological function or any other properties associated with performance of the product in researchers' individual culture systems. MiCAN guarantees that the product will meet the specifications only when assessed immediately after thawing using the recommended Protocol.

## PROTOCOL

### IMPORTANT NOTICE

This protocol has been validated using the **Reagents and medium** references mentioned.

All steps should be performed in a sterile culture environment using appropriate handling procedures. cMylc™-2-K are human cells and, as such, should be handled with required ethical and safety rules.

### Preparation of culture medium

- One day before preparation, medium A and medium B is thawed in refrigerator.
- 50 µL of supplement A is added into 10 mL of culture medium A. Remaining of supplement A can be kept at 4°C for two weeks. (Please do not freeze and thaw).
- 50 µL of supplement B is added into 10 mL of culture medium B. Remaining of supplement B can be kept at 4°C for two weeks. (Please do not freeze and thaw).

### Preparation of cMylc™-2-K cells

- cMylc™-2-K cells in a frozen vial are rapidly thawed in a water bath (37°C), and immediately suspended in washing medium, 10% FBS/αMEM (room temperature [r.t.]).



**Cell culture of cMylc™-2-K**

- After centrifugation (300g, 5min, r.t.), cell pellets are resuspended in 10 mL of culture medium A, including supplement A, and transferred into a low cell binding T-25 flask. Cells are incubated for two days in a humidified atmosphere of 5% CO<sub>2</sub>:95% air at 37°C. → Immature dendritic cells
- After two days, cells are centrifuged again. Cell pellets are resuspended in culture medium B, including supplement B, and incubated for three days at 37°C in a low cell binding T-25 flask. → Differentiated dendritic cells are ready to be used.

**Virus infection**

- cMylc™-2-K is prepared in a cell culture 96 well plate, and mixed with SARS-CoV-2.
- Four hours later, the inoculum is completely removed from each well, and 10% FBS/αMEM is added.
- Progeny viruses are detectable in the supernatant after three days by quantitative RT-PCR.

