



## ECACC 標準株細胞 European Collection of Cell Cultures

### ■融解・培養方法■

#### (融解方法)

1. 細胞が届いたらドライアイス中からバイアルを取り出す。

※保存する際は、細胞到着後すぐに液体窒素中に移すこと。-80° Cでの保存は、細胞の生存率を悪くする恐れがあるので避けるようにする。

※融解する際は、融解中にバイアル中の液体窒素が飛散することがあるので、融解の際はフェースガード・手袋等の適切な保護具を装着し、注意すること。

※細胞を液体窒素中に保存した場合は、液体窒素がバイアル中に入り融解時にバイアルが破裂する恐れがあるので、次の操作を行うこと。

70%アルコールでバイアル外側を拭き、クリーンベンチ内で蓋を1/4回転ほど緩め、内部の圧力を弱めて蓋を閉めなおすこと。ただし蓋は完全に開けないようにする。

2. 取り出したバイアルを37° Cの温水中に浸し、1-2分間揺らしながら融解する。融解したことを確認したら、温水中からバイアルを取り出す。

#### (培養方法)

3. 70%アルコールでバイアル外側を拭き、クリーンベンチ内にバイアルを移す。

4. あらかじめ10mLの培地をいれておいた遠心管に、バイアル中の細胞浮遊液(1mL)を入れ、軽くピペティングした後、1,500rpmで1分間遠心する。

5. 細胞沈査を確認し、上清を捨てる。

6. 特別な注意事項がない限り、25cm<sup>2</sup> フラスコもしくは60mm ディッシュに約5mLの増殖培地を用いて細胞沈査を全量播種する。

※上記以外の培養容器を用いた場合、細胞が増殖しない恐れがあるので注意すること。

※細胞が部分的に増殖しないように均等に播種すること。

7. データシートに記載の温度・CO<sub>2</sub>濃度に調整したインキュベーターに、細胞を播種した培養容器を移し、培養を開始する。

※ベントキャップ以外のフラスコを使用する場合は、CO<sub>2</sub>が培養容器内に循環するようにフラスコのキャップを1/2回転ほど緩める。

### ■保証■

#### 保証期間：

凍結細胞の保証期間は30日間です。弊社から到着後、速やかに培養を開始してください。なお、直ぐに培養を開始されない場合には液体窒素タンク(-135° C以下)にて保存してください。-80° Cでの保管は細胞の生存率に悪影響を及ぼす可能性がありますのでお控えください。

#### 取り扱い：

上記の「融解・培養方法」の通りに融解および培養を実施してください。上記以外の取り扱いによって生じる不具合は、弊社の保証対象には含まれませんので、あらかじめご了承ください。

### ■注意■

- ・本製品は研究用細胞です。試験研究以外の目的に使用しないでください。
- ・本製品と眼や皮膚との接触を避けてください。
- ・本製品を飲み込んだり、吸入したりしないでください。
- ・本製品を倫理に反する実験に使用しないでください。
- ・誤った使用方法等により発生した損害については、弊社の責任外といたします。

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細胞を開封いただく前に以下の Public Health England(PHE) の供給条件をご確認ください。細胞を開封した場合、下記条件に同意いただいたものとみなします。尚、6、7 および 15 項に関しましては、PHE から直接ご購入いただいておりますので該当いたしません。

## Terms and Conditions of Supply

Terms and Conditions of Supply of Products from the Culture Collections of Public Health England (Culture Collections) comprising of the European Collection of Cell Cultures (ECACC), the National Collection of Type Cultures (NCTC), the National Collection of Pathogenic Viruses (NCPV) and the National Collection of Pathogenic Fungi (NCPF).

### FOR THE PURPOSES OF THESE TERMS AND CONDITIONS:

“Culture Collections” shall mean the Public Health England acting through its operating division the Culture Collections;  
“Materials” shall mean any culture, microorganism or their derivatives listed on the Culture Collections website or in any published catalogue or brochure.  
“Product” shall mean any or all of Materials or Services supplied by the Culture Collections.  
“Recipient” shall mean an individual authorised employee of the Employer.  
“Employer” shall mean the employer of the Recipient.  
“Services” shall mean any Service listed on the Culture Collections website or in any published catalogue or brochure.  
“Third Party” shall mean any third party not bound by these terms and conditions.

1. The Recipient hereby confirms that he/she is authorised to receive the Product(s) for and on behalf of the Employer and has sufficient authority to bind the Employer to these standard terms and conditions.
  2. The Recipient shall use the Products, and any progeny, derivatives or products thereof (collectively ‘Derivatives’) for research purposes only with the exception of the Recipient’s use of NCTC LENTICULE discs provided that they only be used in laboratory testing procedures. Notwithstanding the foregoing, in no event shall the Products or Derivatives be directly or indirectly applied to human subjects.
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  11. The Recipient warrants that it is capable and qualified to safely handle and store the Material and to safeguard it from theft and misuse. This includes provision of appropriate containment for its safe handling, as determined by any risks known to be associated with the Material.
  12. The Recipient acknowledges that Material can potentially harbour infectious agents and assumes all risk and responsibility associated with the receipt, handling, storage, disposal, transfer and use of the Material and its Products, including taking appropriate safety precautions to minimise health or environmental risk in compliance with all applicable guidelines, laws and regulations.
  13. The Recipient shall indemnify the Culture Collections against any and all loss, actions, costs, claims, demands, expenses and liabilities incurred by the Culture Collections and/or the aforesaid depositors, by reason of any breach of these terms and conditions.
  14. In any publication making reference to the Products and/or Derivatives, due acknowledgement shall be given of the source of the Products (quoting the Culture Collections’ catalogue reference number) and that accurate reference is made to the work of the original depositor.
  15. Payment of invoices shall (unless otherwise specified in the Culture Collections’ order acknowledgement) be made in sterling (British pounds) and made in full within thirty (30) days of the invoice date and time of payment shall be of the essence.
  16. These terms and conditions shall constitute a contract between the Culture Collections and the Recipient which shall be governed by English law and all questions in any way affecting or arising out these terms and conditions shall be subject to the non-exclusive jurisdiction of the English courts to which the parties hereby submit, except that Public Health England may apply for interim relief in any court of competent jurisdiction. These terms and conditions may be changed by the Culture Collections without notice at any time.
  17. In addition to these terms and conditions, the Culture Collections may impose further terms and conditions upon the supply of a particular Product. Should the Culture Collections seek to do so, the Culture Collections shall provide the Recipient with details of these additional terms and conditions either upon request for, or receipt of, an order from the Recipient. Such additional terms and conditions shall, upon acceptance by the Recipient, and in addition to those terms and conditions set out above, be deemed to be incorporated into the relevant supply contract.
  18. This version of the Culture Collections’ Terms and Conditions of Supply replaces all previous versions.
- Effective from 1 April 2013