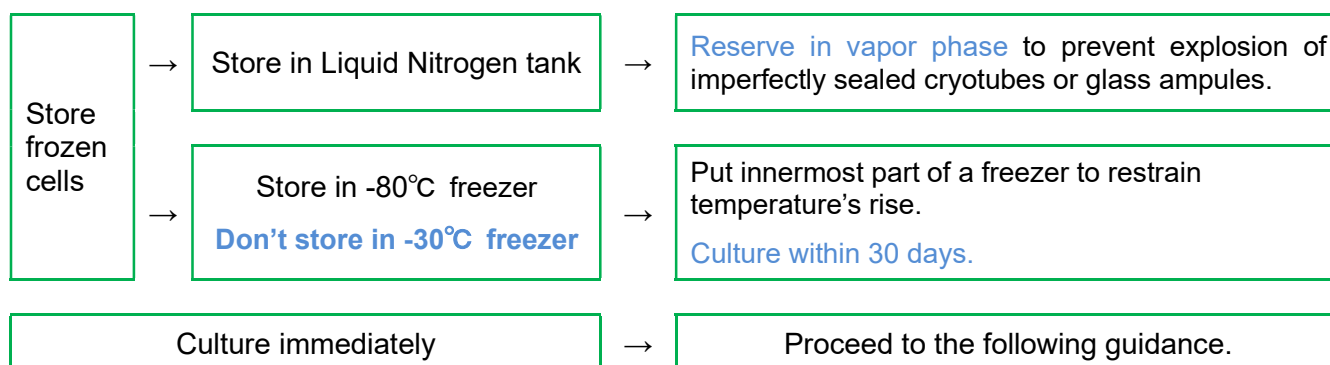


After you receive cell lines

Transfer quickly from the package to storing place or culturing.

Frozen cells in above -65°C will be rapidly damaged.



When you carry the frozen vials, they should be cooled by dry ice or small amount of liquid nitrogen. Do not cool the frozen vials by ice (0°C) since it will rather increase the temperature of frozen vials and will cause the decrease of viability.

First Culturing Guidance

Medium and equipment

- Use a **25cm² flask** or a **6cm dish** (or smaller equipment if it is specified in data sheet) to avoid excessive dilution.
- Prepare the **appropriate medium** specified in the data sheet of the web catalog.

If you have any question, please inquire with JCRB Cell Bank **before you start culturing**.

【Q&A: the reference page in JCRB web site】

https://cellbank.nibn.go.jp/english/other_e/other_faq_e.html

Cell lines should be thawed rapidly

【Handle one by one. Don't thaw two or more ampules together.】

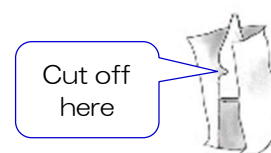
1. Take out one ampule from the package. (Use safety gloves and a face shield)
2. **Immediately** put the ampule in warm (not higher than 37°C) water, and thaw the content within 2 min by shaking.



Seed at 25 cm² flask or 6 cm dish

【Under aseptic conditions】

3. Prepare 10 ml of the specified medium in a centrifuge tube.
4. Sterilize the ampule by permeating gauze with 70% ethanol or cationic detergent sterilizer
5. Wrap the ampule with sterilized gauze, and snap off the neck of the ampule with care.
6. Transfer the cell suspension to a centrifuge tube.
7. Centrifuge the mixture at 1000 rpm for 5 min, and discard the supernatant.
8. Without washing, re-suspend the cells in **5ml** of the same medium.



If especially the media volume is recommended in the data sheet, follow the instruction.

9. Culture them in a **25 cm² flask** or a **6 cm dish** for tissue cultures.

The cell density given in the attached data sheet is standard density for logarithmic growth phase. It's not the actual density on thawing.

10. Make sure of cell proliferation before proceeding to passage. *It may be needed for some days or a week for proliferation.* After growing well, make frozen stocks early.