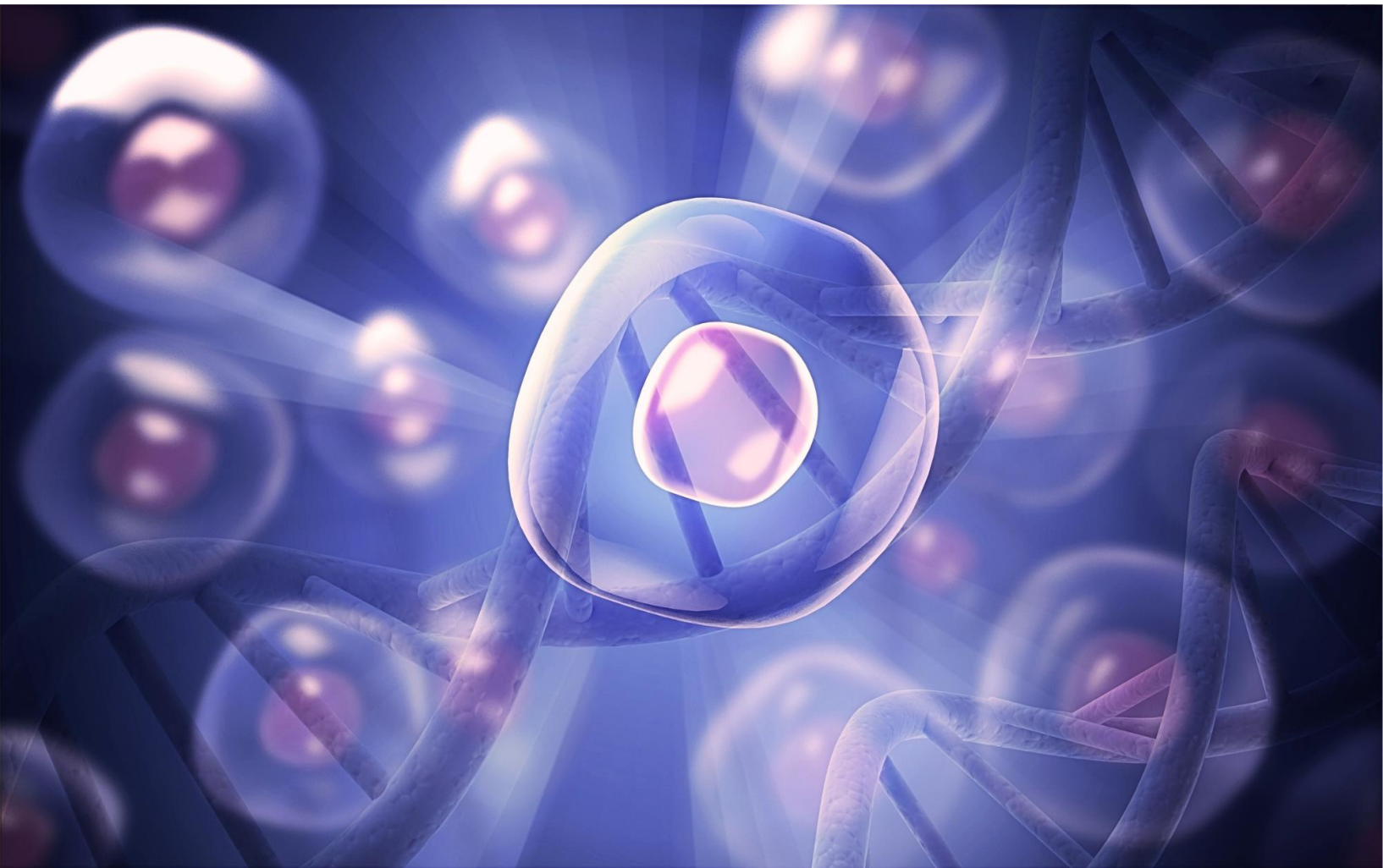


CultureSure™ CEPT Cocktail (1,000×) Protocol

Cell Passaging / Freezing / Thawing



CEPT, small molecule cocktail, contains of four components: Chroman 1, Emerican, Polyamines, and Trans-ISRIB. In human ES/iPS cells (hPSCs), CEPT protects hPSCs from stresses including DNA damage and improves the viability of hPSCs during cell passage and cryopreservation.

Here we provide a protocol for passaging, freezing, and thawing hPSCs (single cells), using our product CultureSure™ CEPT Cocktail (1,000x). See the back cover for other reagents, etc. used in the protocol.

Reference *We do not guarantee experimental results.
Chen, Y. *et al.* : *Nat. Methods*, **18(5)**, 528 (2021).

Product information

| Wako Cat. No. | Product Name | Grade | Package Size |
|---------------|-------------------------------------|------------------|--------------|
| 033-26071 | CultureSure™ CEPT Cocktail (1,000x) | for Cell Culture | 300 µL |

Preparation



← Add this product to give a final volume of 1/1,000 that of the medium.

Mix well.

Human ES/iPS cell
culture medium
(hPSC medium)

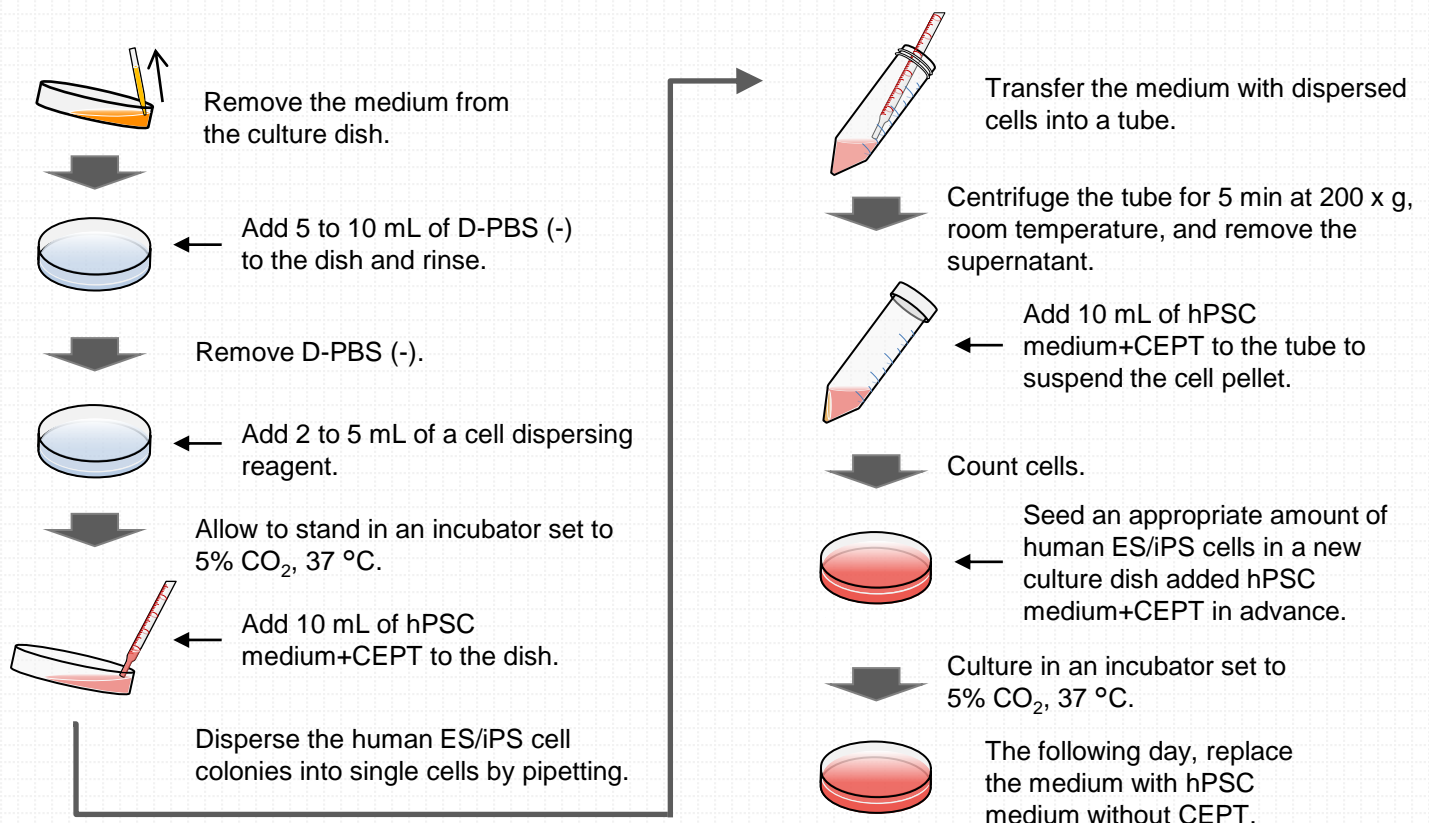
Hereinafter, the hPSC medium supplemented with CEPT is referred to as “hPSC medium+CEPT”.

Precautions for use

- This product is stored frozen (-20°C). We recommend dividing the product into required amounts and storing them frozen to avoid repeated freezing and thawing.
- Precipitates may be observed during dissolution, but this does not affect the quality and can be used as is. Precipitates can be dissolved by standing at 37°C for 1-2 hours, but please avoid repeated freezing and heating.

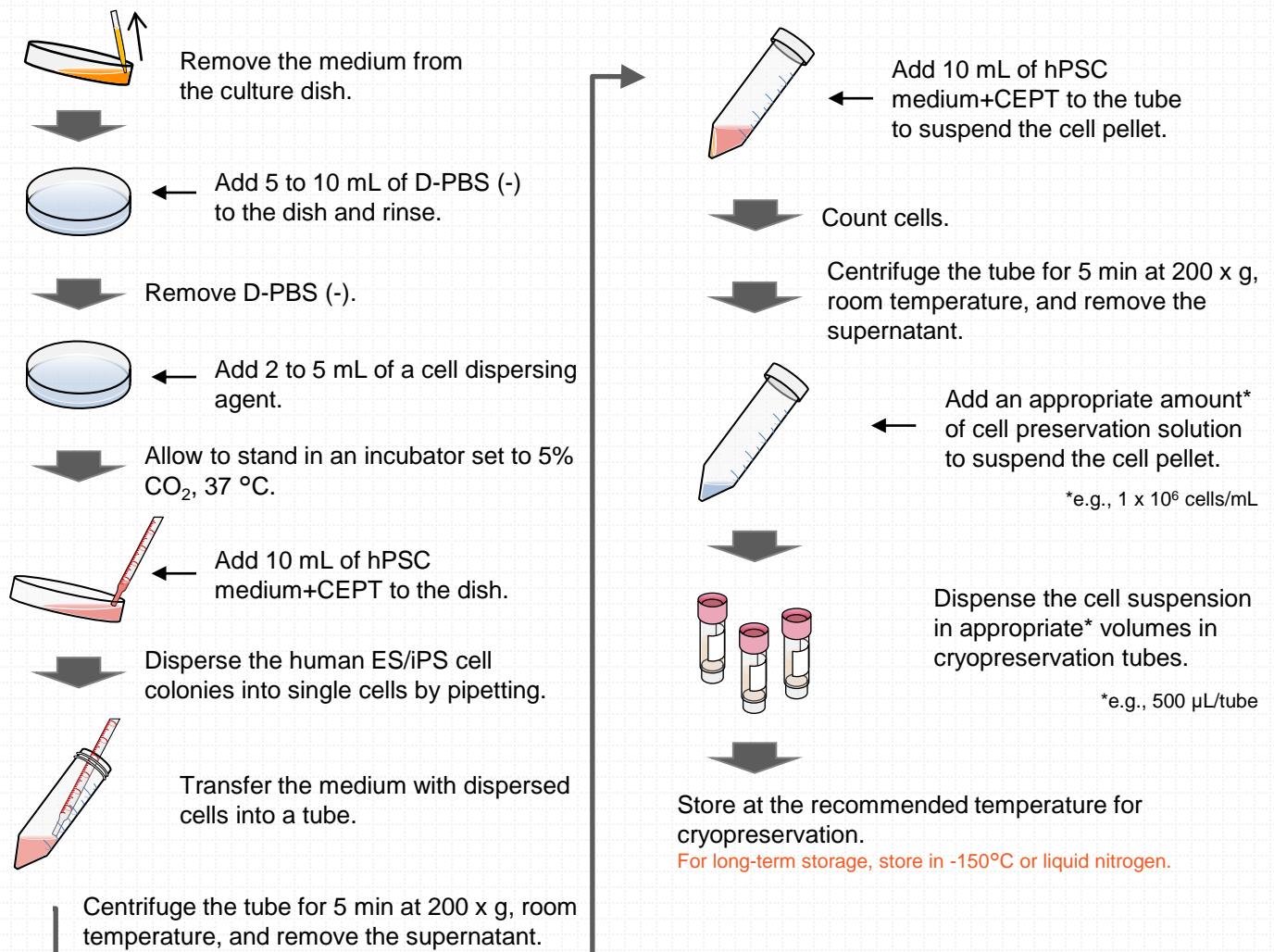
Cell Passaging (single cells)

For one 10-cm dish

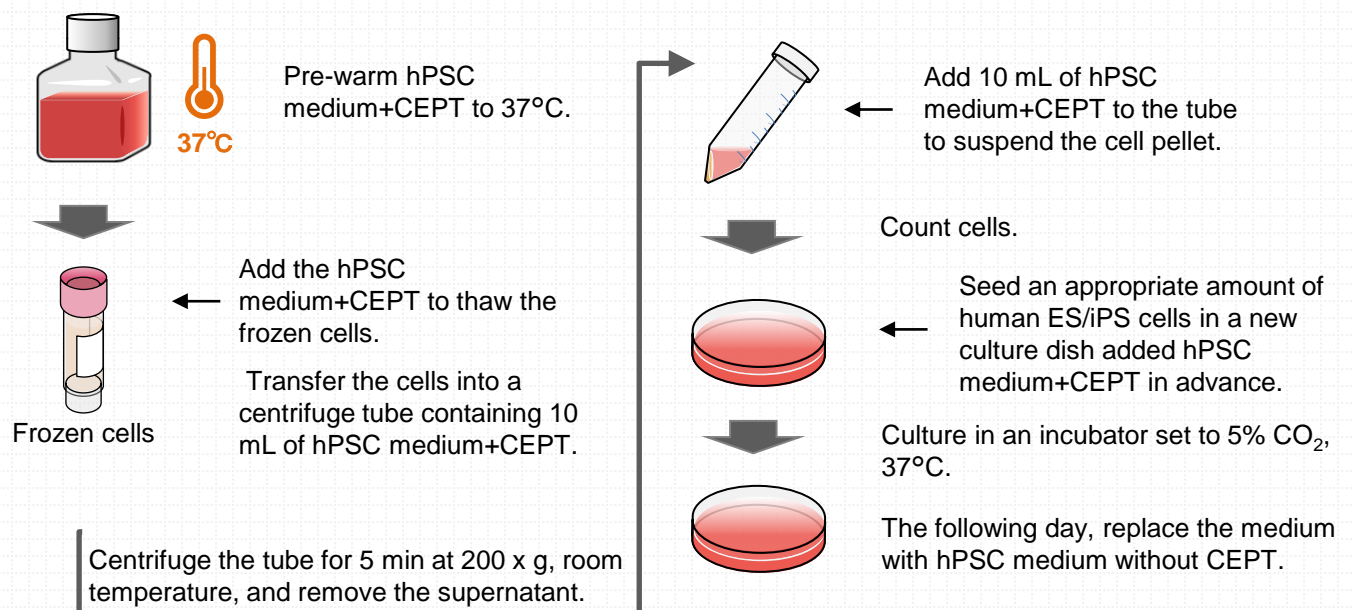


Cell Freezing (single cells)

For one 10-cm dish



Cell Thawing



Related Products

| Wako Cat. No. | Product Name | Grade | Package Size |
|---------------|--|------------------|--------------|
| 197-17571 | StemSure® hPSC Medium Δ <i>This product does not contain bFGF (basic fibroblast growth factor).</i> | for Cell Culture | 100 mL |
| 193-17573 | | | 100 mL x 4 |
| 064-05381 | Fibroblast Growth Factor (basic)(FGF-basic / bFGF / FGF2), Human, recombinant, Animal-derived-free(154aa) (powder) | for Cell biology | 50 µg |
| 068-05384 | | | 100 µg |
| 060-05383 | | | 1 mg |
| 039-24155 | CultureSure® Sterile Water (Endotoxin and Mycoplasma Free) | for Cell Culture | 500 mL |
| 045-29795 | D-PBS(-) | | 500 mL |
| 043-29791 | | | 1 L |
| 049-29793 | | | 500 mL x 10 |
| 203-20251 | | | 100 mL |
| 205-20255 | 500 mL | | |
| 220-02041 | Vitronectin(20-398 aa), Human, recombinant, Solution <i>Dish coating material</i> | for Biochemistry | 500 µg |

Listed products are intended for laboratory research use only, and not to be used for drug, food or human use. / Please visit FUJIFILM Wako Laboratory Chemicals site: <https://labchem-wako.fujifilm.com/> / This leaflet may contain products that cannot be exported to your country due to regulations. / Bulk quote requests for some products are welcomed. Please contact us.

FUJIFILM Wako Laboratory Chemicals site
<https://labchem-wako.fujifilm.com>



1-2, Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan
 Tel: +81 6 6203 3741 Fax: +81 6 6203 1999
 ffwk-cservise@fujifilm.com

FUJIFILM Wako Chemicals U.S.A. Corporation
 1600 Bellwood Road, Richmond, VA 23237, U.S.A.
 Toll-Free (U.S. only): +1 877 714 1920
 Tel: +1 804 271 7677 Fax: +1 804 271 7791
 wkuslabchem@fujifilm.com

FUJIFILM Wako Chemicals Europe GmbH
 Fuggerstr 12, 41468 Neuss, Germany
 Tel: +49 2131 311 0 Fax: +49 2131 311 100
 labchem_wkeu@fujifilm.com

FUJIFILM Wako Chemicals (Hong Kong) Limited
 Room 1111, 11/F, International Trade Centre, 11-19 Sha Tsui Road,
 Tsuen Wan, N.T., Hong Kong
 Tel: +852-2799-9019 Fax: +852-2799-9808
 wkhk.info@fujifilm.com

FUJIFILM Wako (Guangzhou) Trading Corporation
 Room 3003, 30/F., Dong Shan Plaza 69, Xian Lie Zhong Road,
 Guangzhou, 510095, China
 Tel: +86-20-8732-6381(Guangzhou) Tel: +86-21-6288-4751(Shanghai)
 Tel: +86-10-6413-6388(Beijing)
 wkgz.info@fujifilm.com