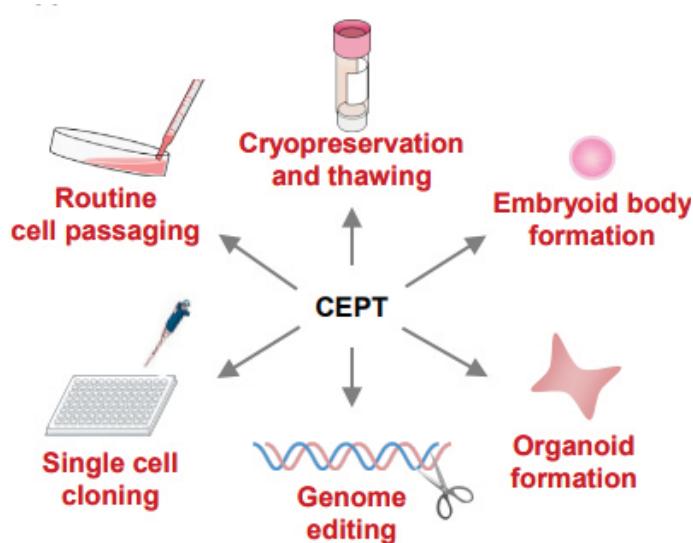


CultureSure®

Cell and Tissue Culture Products

CultureSure® products by FUJIFILM Wako have been specifically developed for supplemental use in cell culture. Small Molecules have high cell permeability due to their low molecular weight, making them extremely useful in mediating cell signalling pathways. CultureSure® small molecules are also reported to be involved in ES and iPS cell differentiation, maintaining their capacity to remain undifferentiated.

Stem cell research is a rapidly growing research area and has strong applications for regenerative medicine – we offer a wide range of CultureSure® products designed for use within stem cell culture, now including GMP-compliant Y-27632, suitable for commercial production of regenerative medicine. Each CultureSure® reagent is screened with mycoplasma, endotoxin and viable cell count tests to give you confidence when supplementing culture media.



CEPT Cocktail - **CEPT** is a cocktail of small molecules containing four compounds: Chroman 1, Emricasan, Polyamines and Trans-ISRIB.

Benefits of using CEPT include:

- **Protects against cellular stress** and DNA damage in iPS cells during cell passage
- **Improves viability** in stem cell research, including embryoid body and organoid formation, single cell cell cloning, and genome editing using hPSCs
- More effective than Y-27632 alone due to **fast-acting cytoprotective properties**
- Will substantially aid regenerative medicine research

Cat. No.	Description	Pack Size
033-26071	CultureSure® CEPT Cocktail (1,000×)	300µl

For Research
Use Only

Y-27632 and SB431542

Y-27632 is a selective inhibitor of Rho-associated coiled-coil kinase (ROCK). It has been shown to have a variety of applications, including:

- **Inducing contraction** of vascular smooth muscle cells via ROCK signalling pathways
- **Suppressing death** of ES and iPS cells at cell dispersion
- **Improving cell survival** after cryopreservation

SB431542 is a selective inhibitor of TGF- β superfamily type 1 activin receptor-like kinase (ALK). It is known to stimulate proliferation, differentiation and sheet formation of ES cells-derived endothelial cells. Y-27632 and SB431542 are both now available in GMP-compliant variants, as well as Y-27632 available in Japanese Drug Master File (MF) variants.

Cat. No.	Description	Pack Size
030-24021	CultureSure® Y-27632 ROCK Inhibitor	1mg
036-24023	CultureSure® Y-27632 ROCK Inhibitor	5mg
034-24024	CultureSure® Y-27632 ROCK Inhibitor	25mg
031-24291	CultureSure® SB431542	5mg
037-24293	CultureSure® SB431542	25mg
252-00701	GMP-compliant Y-27632 ROCK Inhibitor	5mg
258-00703	GMP-compliant Y-27632 ROCK Inhibitor	25mg
199-19231	GMP-compliant SB431542	5mg
195-19233	GMP-compliant SB431542	25mg
259-00613	Y-27632 MF ROCK Inhibitor	5mg
257-00614	Y-27632 MF ROCK Inhibitor	25mg

Cat. No.	Description	Pack Size
030-24803	CultureSure® A419259 Trihydrochloride	5mg
038-24804	CultureSure® A419259 Trihydrochloride	25mg
039-24111	CultureSure® A-83-01	2mg
035-24113	CultureSure® A-83-01	10mg
038-23101	CultureSure® CHIR99021	1mg
034-23103	CultureSure® CHIR99021	5mg
038-24681	CultureSure® CHIR99021 10mmol/L DMSO	300 μ l
035-23971	CultureSure® CKI-7 Dihydrochloride	5mg
033-25133	CultureSure® IWR-1-endo	25mg
038-24723	CultureSure® KY03-I	10mg
036-24724	CultureSure® KY03-I	25mg

Other Small Molecules

A wide variety of small molecules are available in the CultureSure® range – all products are screened using mycoplasma, endotoxin, cytotoxicity and viable cell count tests, ensuring full safety for use within cell culture.



Media Supplements

CultureSure® media supplements include a range of amino acids, all of which are free from animal-derived components and class 100,000/ISO 8 clean room certified.



Cat. No.	Description	Pack Size
030-23921	CultureSure® L-Alanine	100g
038-23601	CultureSure® L-Arginine Hydrochloride	100g
033-23531	CultureSure® L-Asparagine Monohydrate	100g
030-23541	CultureSure® L-Aspartic Acid	100g
035-23611	CultureSure® L-Glutamine	100g
032-23621	CultureSure® L-Histidine	100g
032-23741	CultureSure® L-Isoleucine	100g
031-23711	CultureSure® L-Leucine	100g
037-23791	CultureSure® L-Lysine Hydrochloride	100g
036-23761	CultureSure® L-Methionine	100g
037-23551	CultureSure® L-Proline	100g
034-23561	CultureSure® L-Serine	100g
031-23571	CultureSure® L-Threonine	100g
035-23591	CultureSure® L-Valine	100g

See the full range of CultureSure® products: www.alphalabs/culturesure