cellnest recombinant peptide based on human collagen type Ⅰ

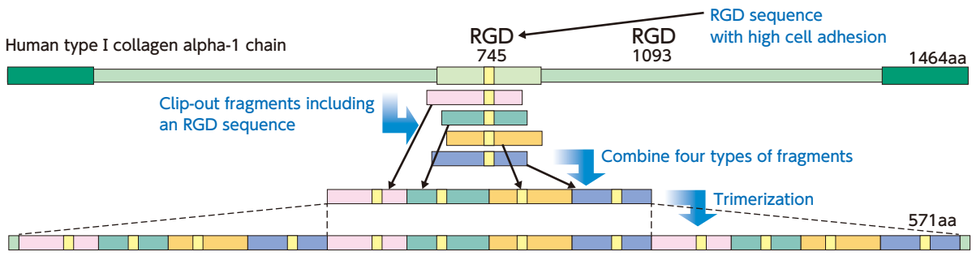
High safety and bioacpmpatibility

High cellular adhesiveness

Stable manufacturing quality

High flexible formulation

- ✓No animal-derived ingredients（xeno-free product）
- ✓The biodegradable and bioabsorbable material which will not remain within the body
- ✓RGD enriched with high cellular adhesion
- ✓cellnest is manufacturing with recombinant technology from yeast with high reproducible quality
- ✓For formulation into various forms, such as sponges, porous particles and granules



<< Actual cells tested >>

endothelial cells (HUVEC), keratinocytes (NHEK), myoblasts (C2C12), osteoblast-like (MC3T3E1), fibroblasts (3T3-L1), epithelial cell-like（CHO-K1, Vero, MDCK) and kidney cells(CV-1)

Product Name	Package Size	Wako Cat. No.
cellnest recombinant peptide based on human collagen type I, 0.1% solution	20mL	635-30081
cellnest recombinant peptide based on human collagen type I, lyophilized	100mg	638-30071

lyophilized

0.1% solution

Listed products are intended for laboratory research use only, and not to be used for drug, food or human use. / Please visit our online catalog to search for other products from Wako; http://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.

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FUJIFILM
Value from Innovation

Wako

ES・iPS Cell Culture Reagents for Regenerative Medicine

Product Map for ES・iPS Cell Culture Reagents

Maintenance Culture

Feeder-Free Medium

StemSure hPSC Medium Δ

Animal-Free , Albumin-Free

On-Feeder Medium

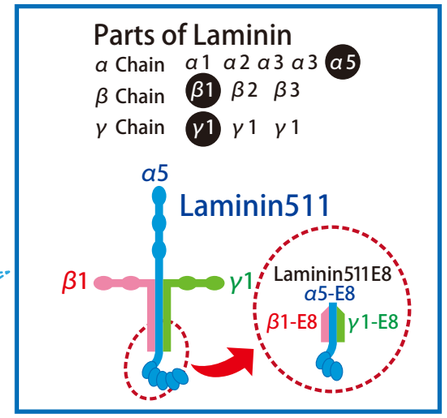
StemSure on-feeder hPSC Medium

Extracellular Matrices

Vitronectin, Cellmatrix, *etc.*

iMatrix-511 [Matrixome Inc.]

- ◆ Recombinant laminin-511 E8 fragment
- ◆ Xeno-free
- ◆ Greater adhesive properties than vitronectin



Cytokines

Fibroblast Growth Factor (basic)

Activin A Solution

Serum Replacement

StemSure Serum Replacement

for mouse ES cell and human iPS cell

Low Molecular Compounds

CultureSure Y-27632 ➡ Details at P.4 - 5

CultureSure CHIR99021, *etc.*

Cell Dispersion

Trypsin-EDTA Solution

Freezing Medium

StemSure Freezing Medium

CultureSure Y-27632

Laminin 511 is a laminin trimer with the chain composition α5, β1 and γ1. Laminin 511-E8 fragment has the same α6β1 integrin binding capacity as the full length Laminin 511.

Differentiation

Culture Medium

D-MEM, RPMI-1640, *etc.*

Cytokines

BMP-4, BDNF, SCF, VEGF, *etc.*

Low Molecular Compounds

CultureSure A-83-01

CultureSure CHIR99021 ➡ Details at P.5

CultureSure SB431542

Cell Growth Factors

Albumin, Insulin, Transferrin, *etc.*

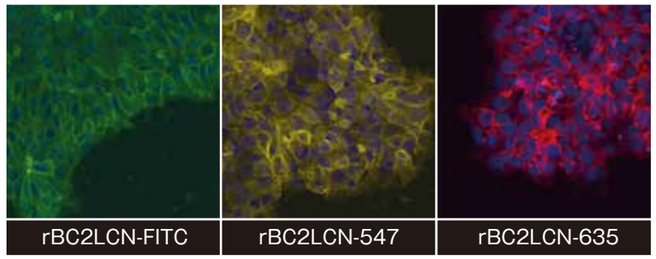
Quality Check

Undifferentiated Markers

rBC2LCN-FITC

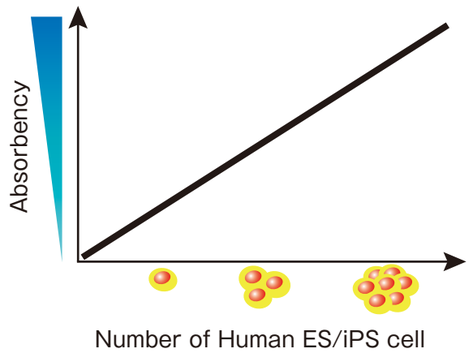
rBC2LCN-547 ➡ Details at P.6 - 7

rBC2LCN-635



Monitoring of hPSCs

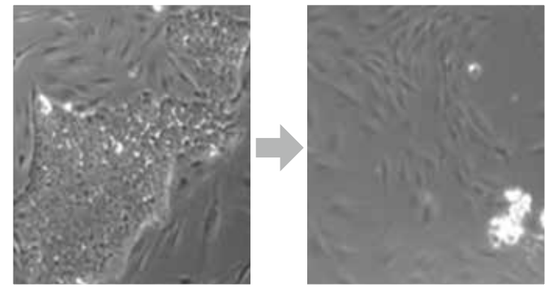
Human ES/iPS Cell Monitoring Kit



Elimination

Elimination of hPSCs

rBC2LCN-PE23 ➡ Details at P.6



iPS cell

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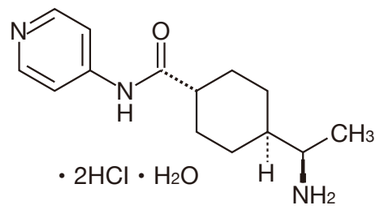
cellnest ····· P.12

ROCK Inhibitor -Safety use for cell culture applications-

CultureSure Y-27632 / Y-27632, MF

Y-27632 is Selective and strong ROCK inhibitor. It inhibits contraction of the vascular smooth muscle, infiltration of cancer cells, and regulation of cell differentiation caused by a signal transduction system of ROCK. Y-27632 enhances post-cryopreservation survival and cloning efficiency of human ES cells and human iPS cells.

[ROCK：Rho-associated coiled-coil forming kinase / Rho binding kinase / Serine / threonine kinase protein phosphoenzyme]



CAS RN® 331752-47-7
$C_{14}H_{21}N_3O \cdot 2HCl \cdot H_2O$=338.27

MF has been registered in **Drug Master File in Japan** (**MF**). We manage raw materials, conduct the validations of the manufacturing process and analytical tests and manufacture in the system obtaining permanently stable quality products.

- **Registered in MF**※2 Registration No. 227MF40013
- **Made in Japan** Manufacturing all from synthesis to packaging in Japan
- **Animal-Derived-Component-Free** Chemical synthetic products of non-use of animal-derived raw materials
- **High quality-stability** Continuous multiple lot pass record

	CultureSure Y-27632, 98%	Y-27632, MF, 98%	CultureSure 10mmol/l Y-27632 Solution, Animal-derived-free
Appearance	Powder	Powder	**Liquid**
Solubility	water, Ethanol	water, Ethanol	-
Mycoplasma test	passed	passed ※3	passed
Endotoxins test	less than 0.25EU/mg	less than 0.25EU/mg ※3	less than 3EU/ml
Other check	Cytotoxicity checked ※1	Viable cell count tested ※3	Sterility tested
Formulation	-	-	10mmol/l solution of Y-27632 in water

Ready to Use!
It has been sterilized by filtration and is used as it is.

※1 human iPS cells 201B7 strain was used.
※2 It shall not be assumed that the validity and assurance of the drug substance's quality and adequacy are officially approved by MF registration.
※3 Mycoplasma test, Endotoxins test and Viable cell count test are product specification tests in each lot, but are not included in MF registration items.

■Reference

Ito, H., *et al.*: *Liver Int.*, **32**, 592 (2012).
Claassen, DA., *et al.*: *Mol. Reprod. Dev.*, **76**, 722 (2009).
Watanabe, K., *et al.*: *Nat. Biotechnol.*, **25**, 681 (2007).
Nishimaru, K., *et al.*: *J. Pharmacol. Sci.*, **92**, 424 (2003).
Kawamata, M., *et al.*: *Proc. Natl. Acad. Sci. USA.*, **107**, 14223 (2010).
Martin-Ibanez, R., *et al.*: *Hum. Reprod.*, **23**, 2744 (2008).
Sakamoto, K., *et al.*: *J. Pharmacol. Sci.*, **92**, 56 (2003).
Uehata, M., *et al.*: *Nature*, **389**, 990 (1997).

Endotoxin & Mycoplasma tested GSK-3β Inhibitor

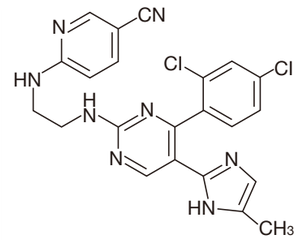
CultureSure CHIR99021

CultureSure series
are passed endotoxin test and mycoplasma test.

CHIR99021 is GSK-3β inhibitor, which selectivity is high. This product does not show cross-reactivity to CDKs (Cyclin-dependent kinases). It has been reported that differentiation can be suppressed with high efficiency when ES cells are cultured in a medium containing CHIR99021 and PD0325901. **Endotoxin tested, mycoplasma tested, and cytotoxicity checked.**

	CultureSure CHIR99021	CultureSure 10mmol/l CHIR99021 DMSO Solution, Animal-derived-free
Appearance	Powder	**Liquid**
Assay (HPLC)	min. 97.0%	-
Solubility	DMSO	-
Formulation	-	10mmol/l solution of CHIR99021 in DMSO
Mycoplasma test	Passed	Passed
Endotoxins test	less than 0.05EU/mg	less than 2EU/mL (measured value)
Other test	Cytotoxicity checked ※1	Sterility tested

※1 human iPS cell 201B7 strain was used



CAS RN® 252917-06-9
$C_{22}H_{18}Cl_2N_8$=465.34

■Reference

Ying, QL., *et al.*: *Nature*, **453**, 519 (2008)

■Product List

Product Name	Package Size	Wako Cat. No.
CultureSure Y-27632	1mg	030-24021
	5mg	036-24023
	25mg	034-24024
Y-27632, MF	5mg	259-00613
	25mg	257-00614
CultureSure 10mmol/l Y-27632 Solution, Animal-derived-free	300µL	039-24591
	1mL	035-24593
CultureSure CHIR99021	1mg	038-23101
	5mg	034-23103
	100mg	032-23104
CultureSure 10mmol/l CHIR99021 DMSO Solution, Animal-derived-free	300µl	038-24681
CultureSure A419259 Trihydrocholoride (**We cannot sell this product to United States for its patent.**)	1mg	034-24801
	5mg	030-24803
	25mg	038-24804
	100mg	034-24806
CultureSure A-83-01	2mg	039-24111
	10mg	035-24113
A-83-01, MF	5mg	010-26741
	25mg	018-26742
CultureSure CKI-7 Dihydrochloride	5mg	035-23971
CultureSure 3mmol/l CKI-7 Dihydrochloride Solution, Animal-derived-free	1mL	039-24611
CultureSure IWP-2	5mg	034-24301
	25mg	030-24303
CultureSure SB431542	5mg	031-24291
	25mg	037-24293
	500mg	035-24294
CultureSure 5mmol/l SB431542 DMSO Solution, Animal-derived-free	1mL	033-24631
SB431542, MF	5mg	193-18031
	25mg	199-18033

rBC2LCN Series – Lectin, Markers of Undifferentiated hPSCs –

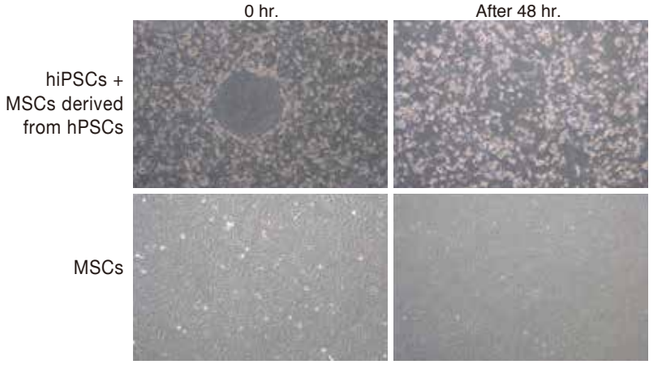
rBC2LCN（AiLecS1） is a recombinant lectin expressed in *Escherichia coli*. It has been identified as a protein capable of binding to sugar chain which exists on the surface of undifferentiated human ES/iPS cells（hPSCs), and may provide new opportunity for the imaging probe to the undifferentiated hPSCs. rBC2LCN is collaborative development product with National Institute of Advanced Industrial Science and Technology（Japan）.

Undifferentiated hES/hiPSC Elimination Solution

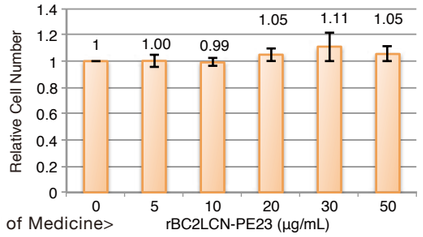
rBC2LCN-PE23 is a recombinant lectin-toxin fusion protein of rBC2LCN with a catalytic domain of *Pseudomonas aeruginosa* exotoxin A. rBC2LCN-PE23 binds to, enters in and eliminates undifferentiated hPSCs.

- Selectively eliminate the remaining undifferentiated hPSCs after inducing differentiation
- Only add the reagent to cells in culture medium without dispersing the cells

Differentiated human iPS cells（hiPSCs）derived from a disease patient into mesenchymal stem cells（MSCs), and added rBC2LCN-PE23（final conc. 10 μg/mL）to hiPSCs and MSCs in the culture medium. After 24 hours, the colony of hiPSCs began to collapse. And 48 hours, most of hPSCs were eliminated.
On the other hand, MSCs were not affected rBC2LCN-PE23.



Relative viable cell numbers of normal human dermal fibroblasts (NHDF), at 48hr after treatment with rBC2LCN-PE23 (final conc. 5, 10, 20, 30, 50 μg/mL) , NHDF are were not eliminated by treatment with rBC2LCN-PE23 . (relative cell number: 0 μg/mL rBC2LCN-PE23 = 1).



< Data was provided by Ph., D. Hirotaka James Okano, Jikei University School of Medicine>

■Product List

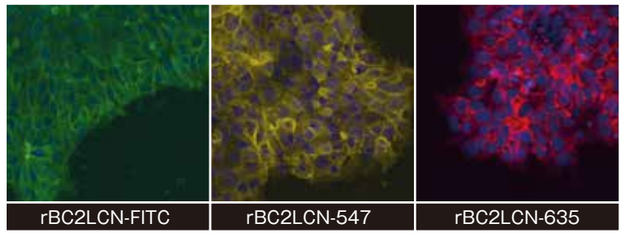
Product Name	Package Size	Wako Cat. No.
BC2LCN【AiLecS1】Lectin, recombinant, Solution	1mg	029-18061
	1mg × 5	025-18063
rBC2LCN-PE23 （Undifferentiated hES/hiPSC Elimination Solution）	100μL	180-03231
	100μL x 5	186-03233
rBC2LCN-FITC【AiLecS1-FITC】	100μL	180-02991
	100μL×5	186-02993
rBC2LCN-547【AiLecS1-547】 Labelled with yellow fluorescence dye, similar to Cy3	100μL	186-03211
rBC2LCN-635【AiLecS1-635】 Labelled with red fluorescence dye, similar to Cy5	100μL	185-03161
	100μL×5	181-03163
rBC2LCN Stripping Solution	10mL	182-03171

hES/hiPSC Staining Solution

rBC2LCN-FITC（Ex 495 nm, Em 520 nm）
rBC2LCN-547（Ex 551 nm, Em 565 nm）
rBC2LCN-635（Ex 634 nm, Em 654 nm）

rBC2LCN lectin has been shown to exhibits significant affinity to a mucin-type O-glycan sugar chain called H-type3 (Fuc α1-2Gal β1-3GalNAc) on the podocalyxin the surface of human pluripotent stem cells (hPSCs), human ES cells and human iPS cells.
rBC2LCN was reported as a marker of undifferentiated hPSCs.

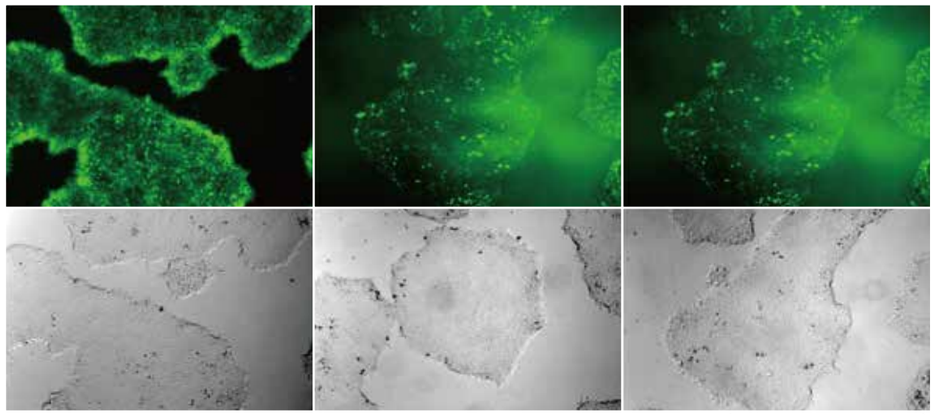
- Capable of staining hPSCs just by adding to cells in culture medium
- Capable of staining in living and fixed cells
- Capable of culturing hPSCs in the state which were stained with rBC2LCN because of low cytotoxicity
- Applicable to cell stain and flow cytometry



（human iPS cell 201B7 strain）

Live cell staining of human iPS cells（Live Cell Imaging）

Stained human iPS cells（hiPSCs）(201B7 strain) with rBC2LCN, Tra-1-60 and Tra-1-81.



（human iPS cell 201B7 strain）

＜Data was provided by Dr. Onuma and Dr. Ito, National Institute of Advanced Industrial Science and Technology＞

■Reference

Tateno, H., Onuma, Y., Ito Y, Minoshima, F., Saito, S., Shimizu, M., Aiki, Y., Asashima, M. and Hirabayashi, J.: *Stem Cell Reports*, **4**, 811 (2015).
Masuda, S., Miyagawa, S., Fukushima, S., Sougawa, N., Okimoto, K., Tada, C., Saito, A. and Sawa, Y.: *Protein Cell*, **6**, 469 (2015).
Onuma, Y., *et al.*: *Biochem. Biophys. Res. Commun.*, **431**, 524 (2013).
Tateno, H., *et al.*: *Stem Cells Transl. Med.*, **2**, 265 (2013).
Tateno, H., *et al.*: *Sci .Rep.*, **4**, 4069 (2014).

Note: After thawing, store at 2-10℃ and use within four weeks. If you don't use within 4 weeks, you should make aliquots and store at -20℃. Avoid repeating freeze-thaw.

	Product Name			Package Size / Wako Cat. No.	
StemSure Series	StemSure Series is a group of products whose quality has been confirmed by culturing mouse ES cells and iPS cells, and we perform quality test using mouse ES D3 strain cells or human iPS 201B7 strain cells every production.				
	StemSure hPSC Medium Δ	100 mL	197-17571	100 mL × 4	193-17573
	StemSure D-MEM (High Glucose) with Phenol Red and Sodium Pyruvate			500 mL	197-16275
	StemSure Serum Replacement (SSR)			500 mL	191-18375
	StemSure 10mmol/l 2-Mercaptoethanol Solution (×100)			100 mL	198-15781
	StemSure 50mmol/l Monothioglycerol Solution (×100)			100 mL	195-15791
	StemSure 0.1w/v% Gelatin Solution			500 mL	190-15805
	StemSure Freezing Medium			100 mL	195-16031
	StemSure hPSC Freezing Medium, AF			100 mL	197-17831
	StemSure LIF, Mouse, recombinant, Solution	1,000,000 units	199-16051	1,000,000 units × 10	195-16053
rBC2LCN	Recombinant BC2LCN can be used for research of human ES and iPS cells. rBC2LCN is expected to be applicable not only to stem cell research but also to regenerative medicine since it is reportedly a useful marker for detection of undifferentiated cells.				
	BC2LCN (AiLecS1) Lectin, recombinant, Solution	1 mg	029-18061	1 mg × 5	025-18063
	rBC2LCN-PE23	100 μL	180-03231	100 μL × 5	186-03233
	rBC2LCN Stripping Solution			10 mL	182-03171
	rBC2LCN-547 (AiLecS1-547)			100 μL	186-03211
	rBC2LCN-635 (AiLecS1-635)	100 μL	185-03161	100 μL × 5	181-03163
	rBC2LCN-FITC (AiLecS1-FITC)	100 μL	180-02991	100 μL × 5	186-02993
	Human ES/iPS Cell Monitoring Kit			96 Tests	299-78301
Culture Medium	Ready-to-Use general-purpose liquid culture media such as D-MEM, E-MEM, RPMI-1640, etc. are available just after warming to incubation temperature (around 37° C) because each is filtration sterilized. Balanced salt solutions can be used to prepare dilutions or to wash cells while maintaining osmotic pressure.				
	StemSure D-MEM (High Glucose) with Phenol Red and Sodium Pyruvate			500 mL	197-16275
	D-MEM (High Glucose) with L-Glutamine and Phenol Red			500 mL	044-29765
	D-MEM (High Glucose) with L-Glutamine, Phenol Red and Sodium Pyruvate			500 mL	043-30085
	D-MEM (High Glucose) with L-Glutamine, Phenol Red, Sodium Pyruvate and 1,500mg/l Sodium Bicarbonate			500 mL	049-32645
	D-MEM (High Glucose) with L-Glutamine, Phenol Red and HEPES			500 mL	048-30275
	D-MEM (High Glucose) with L-Glutamine and HEPES			500 mL	044-32955
	D-MEM (High Glucose) with Phenol Red			500 mL	045-30285
	D-MEM (High Glucose) with Phenol Red and Sodium Pyruvate			500 mL	045-32245
	D-MEM (High Glucose) without L-Glutamine and Phenol Red			500 mL	040-30095
	D-MEM (High Glucose) with Sodium Pyruvate, without Amino Acids			500 mL	048-33575
	D-MEM (High Glucose) with L-Glutamine and Phenol Red, Powder	for 1 L x 10	049-33561	for 10 L x 1	045-33563
	D-MEM (High Glucose) with L-Glutamine and Sodium Pyruvate, Powder	for 1 L x 10	297-72501	for 10 L x 1	293-72503
	D-MEM (Low Glucose) with L-Glutamine and Phenol Red			500 mL	041-29775
	D-MEM (Low Glucose) with Sodium Pyruvate, AF			500 mL	044-33555
	D-MEM (No Glucose) with L-Glutamine and Phenol Red			500 mL	042-32255
	E-MEM with L-Glutamine and Phenol Red			500 mL	051-07615
	E-MEM with Phenol Red and Non-essential Amino Acids			500 mL	056-08385
	E-MEM with L-Glutamine, Phenol Red, Sodium Pyruvate, Non-essential Amino Acids and 1,500mg/l Sodium Bicarbonate			500 mL	055-08975
	E-MEM with L-Glutamine and Phenol Red, Powder	for 1 L x 10	054-09001	for 10 L x 1	050-09003
	G-MEM with L-Glutamine and Phenol Red			500 mL	078-05525
	MEM α with L-Glutamine and Phenol Red			500 mL	135-15175
	MEM α with L-Glutamine, Phenol Red, Sodium Pyruvate and Nucleosides			500 mL	137-17215
	MEM α with L-Glutamine, Sodium Pyruvate and Nucleosides			500 mL	134-17225
	MEM α with L-Glutamine and Phenol Red, Powder	for 1 L x 10	130-18621	for 10 L x 1	136-18623
	RPMI-1640 with L-Glutamine and Phenol Red	500 mL	189-02025	1 L	187-02021
	RPMI-1640 (No Glucose) with L-Glutamine and Phenol Red			500 mL	185-02865
	RPMI-1640 with L-Glutamine, Phenol Red and HEPES			500 mL	189-02145
	RPMI-1640 (4,500mg/l Glucose) with L-Glutamine, Phenol Red, HEPES and Sodium Pyruvate			500 mL	187-02705
	RPMI-1640 with L-Glutamine			500 mL	186-02155
	RPMI-1640 with Phenol Red			500 mL	183-02165
	RPMI-1640 with L-Glutamine and Phenol Red, Powder	for 1 L x 10	187-03241	for 10 L x 1	183-03243
	Ham's F-12 with L-Glutamine and Phenol Red			500 mL	087-08335
	Ham's F-12 with L-Glutamine and Phenol Red, Powder			for 1 L x 10	084-10153
	Ham's F-12K with L-Glutamine, Phenol Red and Sodium Pyruvate			500 mL	080-08565
	D-MEM/Ham's F-12 with L-Glutamine and Phenol Red			500 mL	048-29785
	D-MEM/Ham's F-12 with L-Alanyl-L-Glutamine, Phenol Red and Sodium Pyruvate			500 mL	046-32275
	D-MEM/Ham's F-12 with L-Glutamine, Phenol Red, HEPES and Sodium Pyruvate			500 mL	042-30555
	D-MEM/Ham's F-12 with L-Glutamine and Sodium Pyruvate			500 mL	045-30665
	D-MEM/Ham's F-12 with Phenol Red, HEPES and Sodium Pyruvate			500 mL	042-30795
	D-MEM/Ham's F-12 with L-Glutamine and Phenol Red, Powder	for 1 L x 10	043-33743	for 10 L x 1	041-33744
	IMDM with L-Glutamine, Phenol Red, HEPES and Sodium Pyruvate			500 mL	098-06465
	Leibovitz's L-15 Medium with L-Glutamine, Phenol Red and Sodium Pyruvate			500 mL	128-06075
	200mmol/l L-Alanyl-L-Glutamine Solution (×100)			100 mL	016-21841
	200mmol/l L-Glutamine Solution (×100)			100 mL	073-05391
	MEM Non-essential Amino Acids Solution (×100)			100 mL	139-15651
	D-PBS (-)			500 mL	045-29795
	10x D-PBS (-)			500 mL	048-29805
	D-PBS (-), Powder	for 1 L x 10	293-72601	for 10 L x 1	299-72603
	PBS (-)			500 mL	166-23555
	10×PBS (-)			500 mL	163-25265
	HBSS (-) with Phenol Red			500 mL	084-08345
	HBSS (-) without Phenol Red			500 mL	085-09355
	10×HBSS (-) without Phenol Red			500 mL	082-09865
	HBSS (+) with Phenol Red			500 mL	082-09365
	HBSS (+) without Phenol Red	500 mL	084-08965	1 L	082-08961
Antibiotic & Antimycotic Solutions	We offer a variety of antibiotic solutions that can be used to prevent or eliminate contamination of media by bacteria, yeast, mold and mycoplasma.				
	Amphotericin B Suspension			50 mL	019-23891
	50mg/ml G-418 Sulfate Solution, Animal-derived-free	20 mL	071-06431	100 mL	077-06433
	Gentamicin Sulfate Solution (50mg/ml)			10 mL	078-06061
	Kanamycin Sulfate Solution (50mg/ml)			20 mL	117-00961
	1mg/ml Mitomycin C Solution			1 mL	133-15931
	Penicillin-Streptomycin Solution (×50)			100 mL	164-25251
	Penicillin-Streptomycin Solution (×100)			100 mL	168-23191
	Penicillin-Streptomycin-Amphotericin B Suspension (×100) (Antibiotic-Antimycotic Solution)			100 mL	161-23181
	Penicillin-Streptomycin-L-Glutamine Solution (×100)			100 mL	161-23201

	Product Name							Package Size / Wako Cat. No.
Cell Growth Factors	Involved in the regulation of various cytological and physiological processes, growth factors are known to promote cell differentiation and proliferation. They also initiate signal transduction when they bind to specific receptor proteins on the cell surface. In addition to animal-derived products, we also offer products made from plants and without recombinant factors synthesized from any materials from animal sources. (＊: The products cannot be exported to United States.)							
	Albumin, from Bovine Serum (BSA), Fraction V, pH 7.0	10 g	019-27051	50 g	015-27053	100 g	013-27054	500 g 011-27055 ＊
	Albumin, from Bovine Serum (BSA), Fatty Acid Free	5 g	017-15146	10 g	017-15141	50 g	013-15143	100 g 011-15144 ＊
	Albumin, from Bovine Serum (BSA), pH 7.0, New Zealand Origin					5 g	012-23381	25 g 010-23382
	Albumin, from Human Serum (HSA)			1 g	010-27601	5 g	016-27603	10 g 014-27604
	Albumin, Human, recombinant expressed in plants					1 g	018-21541	5 g 014-21543
	Transferrin (Holo), from Human Blood					100 mg	208-18971	1 g 204-18973
	Transferrin (Apo), from Human Blood							100 mg 205-18121
	Transferrin, Human, recombinant			100 mg	201-18081	500 mg	207-18083	1 g 205-18084
	Insulin, Human, recombinant	50 mg	093-06471	100 mg	099-06473	1 g	097-06474	10 g 093-06476
	Insulin, Human, recombinant, Animal-derived-free			50 mg	090-06481	250 mg	096-06483	1 g 094-06484
	Lactoferrin, from Bovine Milk	100 mg	125-04123	1 g	123-04124	5 g	129-04121	25 g 127-04122
Cytokines	Cytokines related to ES and iPS Cells. Each biological activity is shown in the package insert which can be seen through our online catalog or please contact us.							
	Activin A Solution, Human, recombinant			10 μg	014-27621	50 μg	010-27623	50 μg×5 018-27624
	BAFF (BLyS / TNFSF13B / TALL-1 / THANK), Human, recombinant							20 μg 025-15121
	Brain Derived Neurotrophic Factor (BDNF), Human, recombinant					10 μg	020-12913	1 mg 028-12914
	Bone Morphogenetic Protein 2 (BMP-2), Human, recombinant					5 μg	026-14811	100 μg 022-14813
	Bone Morphogenetic Protein 4 (truncated) (BMP-4), Human, recombinant							10 μg 022-17071
	Bone Morphogenetic Protein 4 (BMP-4), Mouse, recombinant					10 μg	023-18461	500 μg 027-18464
	Bone Morphogenetic Protein 6 (BMP-6), Human, recombinant							10 μg 022-16731
	Bone Morphogenetic Protein 7 (BMP-7), Human, recombinant							10 μg 026-19171
	Bone Morphogenetic Protein 13 (BMP-13 / CDMP-2 / GDF-6), Human, recombinant							50 μg 020-15073
	Cardiotrophin-1 (CT-1), Human, recombinant							10 μg 034-18811
	Cardiotrophin-1 (CT-1), Mouse, recombinant							10 μg 031-18821
	Ciliary Neurotrophic Factor (CNTF), Human, recombinant							20 μg 032-18851
	Ciliary Neurotrophic Factor (CNTF), Rat, recombinant							20 μg 034-16351
	DKK-1, Human, recombinant					10 μg	044-34231	1 mg 040-34233
	Epidermal Growth Factor (EGF), Mouse, recombinant							500 μg 053-07751
	EGF Receptor soluble (EGFR), Human, recombinant							10 μg 058-08281
	Fibroblast Growth Factor (basic) (bFGF / FGF2), Human, recombinant (147aa)							25 μg 067-04031
	Fibroblast Growth Factor (basic) (bFGF / FGF2), Human, recombinant (154aa)			50 μg	064-04541	100 μg	060-04543	1 mg 068-04544
	Fibroblast Growth Factor 4 (FGF4), Human, recombinant							25 μg 062-04341
	Fibroblast Growth Factor 5 (FGF5), Human, recombinant							50 μg 069-04351
	Fibroblast Growth Factor 6 (FGF6), Human, recombinant							25 μg 066-04361
	Fibroblast Growth Factor 8 (FGF8b), Human, recombinant					25 μg	063-04371	500 μg 069-04373
	Flt3 Ligand, Human, recombinant					10 μg	061-04051	1 mg 067-04053
	Flt3 Ligand, Mouse, recombinant							10 μg 060-04803
	Follistatin (FS), Human, recombinant							20 μg 068-05921
	GDF-2, Human, recombinant							10 μg 073-06011
	GDF-3, Human, recombinant							20 μg 072-05121
	Glial Cell Line-derived Neurotrophic Factor (GDNF), Human, recombinant					10 μg	075-04153	1 mg 073-04154
	Granulocyte Colony-Stimulating Factor (G-CSF), Mouse, recombinant							10 μg 071-04851
	Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF), Human, recombinant					20 μg	075-04114	1 mg 077-04113
	Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF), Mouse, recombinant					20 μg	077-04674	1 mg 079-04673
	Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF), Rat, recombinant							20 μg 072-05263
	Hepatocyte Growth Factor (HGF), Human, Insect Cells recombinant					10 μg	082-08721	500 μg 086-08724
	Hepatocyte Growth Factor (HGF), Mouse, recombinant (expressed in Insect Cells)							20 μg 082-09321
	Interferon-γ (IFN-γ), Human, recombinant					100 μg	093-05631	1mg 099-05633
	Interferon-γ (IFN-γ), Mouse, recombinant					100 μg	094-04701	1 mg 090-04703
	Interferon-γ (IFN-γ), Rat, recombinant							100 μg 099-04251
	Insulin-like Growth Factor-I (IGF-I), Human, recombinant							100 μg 099-04511
	Insulin-like Growth Factor-I (IGF-I), Mouse, recombinant							50 μg 096-05621
	Insulin-like Growth Factor-II (IGF-II), Human, recombinant							50 μg 092-04523
	Interleukin-3 (IL-3), Human, recombinant							10 μg 092-04621
	Interleukin-3 (IL-3), Mouse, recombinant					10 μg	091-03971	1 mg 097-03973
	Interleukin-6 (IL-6), Human, recombinant					20 μg	099-04631	1 mg 095-04633
	Interleukin-6 (IL-6), Mouse, recombinant					10 μg	093-04433	1 mg 091-04434
	Interleukin-6 (IL-6), Rat, recombinant							10 μg 093-04271
	Keratinocyte Growth Factor (KGF / FGF7), Human, recombinant							10 μg 119-00661
	MCP-1 (CCL2), Human, recombinant					20 μg	137-13011	1 mg 133-13013
	Nanog, Human, recombinant							20 μg 145-08461
	Noggin (Dimer), Human, recombinant (expressed in HEK293 Cells)					20 μg	149-08861	500 μg 145-08863
	Noggin, Mouse, recombinant					20 μg	146-08991	1 mg 142-08993
	R-Spondin-1, Human, recombinant					20 μg	181-02801	500 μg 185-02804
	R-Spondin-2, Human, recombinant					20 μg	180-02871	1 mg 186-02873
	R-Spondin-3, Human, recombinant					20 μg	187-02881	1 mg 183-02883
	Sonic Hedgehog (Shh), Human, recombinant					25 μg	198-18341	500 μg 194-18343
	Stem Cell Factor (SCF), Human, recombinant					10 μg	193-12811	1 mg 199-12813
	Stem Cell Factor (SCF), Mouse, recombinant					10 μg	197-12711	1 mg 193-12713
	Stem Cell Factor (SCF), Rat, recombinant							10 μg 192-14601
	Thrombopoietin (TPO), Human, recombinant					10 μg	200-16471	500 μg 204-16474
	Thrombopoietin (TPO), Mouse, recombinant							10 μg 207-16481
	Transforming Growth Factor-β1 (TGF-β1), Human, recombinant					10 μg	209-16544	500 μg 205-16546
	Transforming Growth Factor-β2 (TGF-β2), Human, recombinant							10 μg 200-19911
	Transforming Growth Factor-β3 (TGF-β3), Human, recombinant					10 μg	205-18361	1 mg 201-18363
	Wnt-1, Human, recombinant							10 μg 231-02251
Animal-derived-free Cytokines	Activin A, Human, recombinant, Animal-derived-free					10 μg	014-23961	500 μg 018-23964
	Bone Morphogenetic Protein 4 (truncated) (BMP-4), Human, recombinant, Animal-derived-free					10 μg	020-18851	500 μg 024-18854
	Brain Derived Neurotrophic Factor (BDNF), Human, recombinant, Animal-derived-free	10 μg	028-16451	100 μg	022-16454	250 μg	028-16456	1 mg 024-16453
	CD40 Ligand soluble, Human, recombinant, Animal-derived-free					50 μg	038-23081	1 mg 034-23083
	Ciliary Neurotrophic Factor (CNTF), Human, recombinant, Animal-derived-free					20 μg	032-23501	1 mg 038-23503
	Epidermal Growth Factor (EGF), Human, recombinant, Animal-derived-free					100 μg	059-07873	500 μg 053-07871
	Epidermal Growth Factor (EGF) , Mouse, recombinant, Animal-derived-free							500 μg 050-09101
	Fibroblast Growth Factor (acidic) (aFGF / FGF1), Human, recombinant, Animal-derived-free					50 μg	067-05371	1 mg 063-05373
	Fibroblast Growth Factor (basic) (bFGF / FGF2), Human, recombinant, Animal-derived-free			50 μg	064-05381	100 μg	068-05384	1 mg 060-05383
	Fibroblast Growth Factor (basic) (bFGF / FGF2), Mouse, recombinant, Animal-derived-free					50 μg	062-06041	1 mg 068-06043

Animal-derived-free Cytokines

Product Name					Package Size / Wako Cat. No.	
Fibroblast Growth Factor 4 (FGF4), Human, recombinant, Animal-derived-free				25 μg	065-06031	500 μg × 2 069-06034
Fibroblast Growth Factor 8 (FGF8b), Human, recombinant, Animal-derived-free				25 μg	067-06231	500 μg 061-06234
Fibroblast Growth Factor 9 (FGF9), Human, recombinant, Animal-derived-free				20 μg	066-06201	1 mg 062-06203
Fibroblast Growth Factor 10 (FGF10), Human, recombinant, Animal-derived-free				25 μg	069-06051	1 mg 065-06053
Flt3 Ligand, Human, recombinant, Animal-derived-free				10 μg	061-05391	1 mg 067-05393
Glial Cell Line-derived Neurotrophic Factor (GDNF), Human, recombinant, Animal-derived-free	10 μg	070-06261		250 μg	074-06264	1 mg 076-06263
Granulocyte Colony-Stimulating Factor (G-CSF), Human, recombinant, Animal-derived-free				10 μg	072-06101	1 mg 078-06103
Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF), Human, recombinant, Animal-derived-free				20 μg	074-05603	1 mg 072-05604
Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF), Mouse, recombinant, Animal-derived-free				20 μg	075-05633	1 mg 073-05634
Heregulin-β1, Human, recombinant, Animal-derived-free				50 μg	080-09001	1 mg 086-09003
Insulin-like Growth factor-I (IGF-I), Human, recombinant, Animal-derived-free				100 μg	096-05741	1 mg 092-05743
Insulin-like Growth factor-II (IGF-II), Human, recombinant, Animal-derived-free				50 μg	093-06611	1 mg 099-06613
Interferon-γ (IFN-γ), Human, recombinant, Animal-derived-free				100 μg	093-06111	1 mg 099-06113
Interferon-γ (IFN-γ), Mouse, recombinant, Animal-derived-free				100 μg	090-06981	1 mg 096-06983
Interleukin-1α (IL-1α), Human, recombinant, Animal-derived-free				10 μg	098-06801	1 mg 094-06803
Interleukin-1β (IL-1β), Human, recombinant, Animal-derived-free				10 μg	090-06121	1 mg 096-06123
Interleukin-2 (IL-2), Human, recombinant, Animal-derived-free				50 μg	093-05751	1 mg 099-05753
Interleukin-3 (IL-3), Human, recombinant, Animal-derived-free				10 μg	090-05761	1 mg 096-05763
Interleukin-3 (IL-3), Mouse, recombinant, Animal-derived-free				10 μg	097-06131	1 mg 093-06133
Interleukin-4 (IL-4), Human, recombinant, Animal-derived-free				20 μg	095-05733	1 mg 093-05734
Interleukin-4 (IL-4), Mouse, recombinant, Animal-derived-free				20 μg	090-06621	1 mg 096-06623
Interleukin-6 (IL-6), Human, recombinant, Animal-derived-free				20 μg	098-06041	1 mg 094-06043
Interleukin-6 (IL-6), Mouse, recombinant, Animal-derived-free				10 μg	094-07001	1 mg 090-07003
Interleukin-7 (IL-7), Human, recombinant, Animal-derived-free				10 μg	094-06641	1 mg 090-06643
Interleukin-8 (monocyte-derived) (IL-8) , Human, recombinant, Animal-derived-free				25 μg	093-07191	1 mg 099-07193
Interleukin-15 (IL-15), Human, recombinant, Animal-derived-free				10 μg	095-07031	1 mg 091-07033
Interleukin-16 (IL-16), Human, recombinant, Animal-derived-free				10 μg	094-06141	1 mg 090-06143
Keratinocyte Growth Factor (KGF / FGF7), Human, recombinant, Animal-derived-free	10 μg	116-00811		500 μg	110-00814	1 mg 112-00813
LIF, Human, recombinant, Animal-derived-free				25 μg	125-06661	1 mg 121-06663
Macrophage Colony-Stimulating Factor (M-CSF), Human, recombinant, Animal-derived-free				10 μg	138-16101	1 mg 134-16103
Macrophage Colony-Stimulating Factor (M-CSF), Mouse, recombinant, Animal-derived-free				10 μg	131-16831	1 mg 137-16833
MCP-1 (CCL2), Human, recombinant, Animal-derived-free				20 μg	131-17051	1 mg 137-17053
Nerve Growth Factor-β (NGF-β), Human, recombinant, Animal-derived-free				20 μg	140-09131	1 mg 146-09133
Neurotrophin-3 (NT3), Human, recombinant, Animal-derived-free	10 μg	146-09231		250 μg	140-09234	1 mg 142-09233
Noggin, Mouse, recombinant, Animal-derived-free				20 μg	140-09491	500 μg 144-09494
Oncostatin M (209aa), Human, recombinant, Animal-derived-free				10 μg	152-03411	1 mg 158-03413
PDGF-AA, Human, recombinant, Animal-derived-free				10 μg	165-25541	1 mg 161-25543
PDGF-BB, Human, recombinant, Animal-derived-free				10 μg	164-24031	1 mg 160-24033
Placenta Growth Factor-1 (PLGF-1), Human, recombinant, Animal-derived-free				25 μg	167-24021	1 mg 163-24023
Stem Cell Factor (SCF), Human, recombinant, Animal-derived-free	10 μg	197-15511		250 μg	191-15514	1 mg 193-15513
Stem Cell Factor (SCF), Mouse, recombinant, Animal-derived-free				10 μg	196-15581	1 mg 192-15583
Stromal Cell-Derived Factor-1α (SDF-1α), Human, recombinant, Animal-derived-free				10 μg	199-17031	1 mg 195-17033
Thrombopoietin (TPO), Human, recombinant, Animal-derived-free				10 μg	207-17581	500 μg 201-17584
Thrombopoietin (TPO), Mouse, recombinant, Animal-derived-free				10 μg	202-19611	1 mg 208-19613
Thrombopoietin (TPO), Rat, recombinant, Animal-derived-free				10 μg	204-17591	1 mg 200-17593
Transforming Growth Factor-β3 (TGF-β3), Human, recombinant, Animal-derived-free	10 μg	207-19281		100 μg	201-19284	1 mg 203-19283
Tumor Necrosis Factor-α (TNF-α), Human, recombinant, Animal-derived-free				50 μg	201-18581	1 mg 207-18583
Vascular Endothelial Growth Factor-A165 (VEGF), Human, recombinant, Animal-derived-free	10 μg	226-01781	100 μg	226-01786	500 μg	220-01784 1 mg 222-01783
Vascular Endothelial Growth Factor-A165 (VEGF), Mouse, recombinant, Animal-derived-free				10 μg	223-02031	1 mg 229-02033
Vascular Endothelial Growth Factor-A121 (VEGF-A121), Human, recombinant, Animal-derived-free				10 μg	222-02001	1 mg 228-02003

Serum Replacements

This serum replacement and supplements are particularly optimized to grow ES / iPS cells and Nerve cells in culture.

StemSure Serum Replacement (SSR)					500 mL	191-18375
NS Supplement (×50)					10 mL	146-09351
NS Supplement without Vitamin A (×50)					10 mL	142-09691
NS Supplement without Insulin (×50)				10 mL	149-09721	50 mL 145-09723
N2 Supplement with Transferrin (Holo) (×100)						5 mL 141-08941
N2 Supplement with Transferrin (Apo) (×100)						5 mL 141-09041

Low Molecular Compounds

We offer a wide range of low molecular weight compounds that have been shown by many studies to be involved in maintaining an undifferentiated state or inducing differentiation in ES and iPS cells.
*MF: MF has been registered in Drug Master File in Japan. We manage raw materials, conduct the validations of the manufacturing process and analytical tests and manufacture in the system obtaining permanently stable quality products. (＊: The products cannot be exported to United States.)

CultureSure A-83-01				2 mg	039-24111	10 mg 035-24113
A-83-01, MF				5 mg	010-26741	25 mg 018-26742
ALK5 Inhibitor				1 mg	012-23021	10 mg 018-23023
(+/-)-Bay K 8644						5 mg 027-09951
BIX01294						2 mg 023-16401
(-)-Blebbistatin				1 mg	021-17041	5 mg 027-17043
6-Bromoindirubin-3'-oxime						1 mg 029-16241
Butyric Acid				25 mL	029-05393	500 mL 023-05396
CultureSure CHIR99021	1 mg	038-23101		5 mg	034-23103	100 mg 032-23104
CultureSure 10mmol/l CHIR99021 DMSO Solution, Animal-derived-free						300 μL 038-24681
Cyclic Pifithrin-α Hydrobromide						5 mg 036-24001
3-Deazaneplanocin A Hydrochloride (DZNep)						1 mg 049-33701
DNA Methyltransferase Inhibitor (RG108)				10 mg	041-30101	25 mg 047-30103
EHNA Hydrochloride						10 mg 056-08221
GF 109203X						1 mg 079-03811
H1152 Dihydrochloride						1 mg 088-09281
HA-100 Hydrochloride						10 mg 086-10071
IM-12						5 mg 091-07131
IQ-1						5 mg 095-05951
Kenpaullone				1 mg	110-00831	5 mg 116-00833
Ki16425						5 mg 115-01001
PD0325901				5 mg	162-25291	25 mg 168-25293
PD173074						5 mg 160-26831
PD184352						5 mg 165-26761
PD-98059						5 mg 169-19211
PS48						10 mg 164-26851
SB203580				1 mg	199-16551	5 mg 195-16553
SB203580 Hydrochloride						1 mg 198-16761

Low Molecular Compounds

Product Name					Package Size / Wako Cat. No.	
SC-1						1 mg 191-15411
Sodium Butyrate					25 g	193-01522 500 g 197-01525
SU5402				1 mg	197-16731	5 mg 193-16733 25 mg 191-16734
Thiazovivin					1 mg	202-18011 5 mg 208-18013
U0126						5 mg 211-01051
Valproic Acid					5 g	227-01071 25 g 225-01072
WH-4-023						5 mg 234-02741
CultureSure Y-27632				1 mg	030-24021	5 mg 036-24023 25 mg 034-24024
Y-27632, MF						5 mg 259-00613 25 mg 257-00614
CultureSure 10mmol/l Y-27632 Solution, Animal-derived-free						300 μL 039-24591 1mL 035-24593
CultureSure A419259 Trihydrochloride	1 mg	034-24801		5 mg	030-24803	25 mg 038-24804 100 mg 034-24806
AICAR						100 mg 015-22531 1 g 011-22533
Am580						5 mg 014-16631
Ciclosporin A					50 mg	031-24931 200 mg 037-24933
Ciglitazone						5 mg 030-20981
CultureSure CKI-7 Dihydrochloride						5 mg 035-23971
CultureSure 3mmol/l CKI-7 Dihydrochloride Solution, Animal-derived-free						1 mL 039-24611
DAPT					5 mg	043-33581 25 mg 049-33583
Dorsomorphin					1 mg	044-33751 5 mg 040-33753
Dorsomorphin Dihydrochloride					1 mg	041-33761 5 mg 047-33763
IPA-3						5 mg 092-07041
CultureSure IWP-2					5 mg	034-24301 25 mg 030-24303
CultureSure IWR-1-*endo*					5 mg	037-25131 25 mg 033-25133
LY 294002				5 mg	129-04861	10 mg 125-04863 25 mg 123-04864
PluriSln1						10 mg 165-27501
Purmorphamine						5 mg 166-23991
all-trans-Retinoic Acid	50 mg	186-01114		100 mg	182-01116	250 mg 182-01111 1 g 188-01113
CultureSure SB431542				5 mg	031-24291	25 mg 037-24293 500mg 035-24294
CultureSure 5mmol/L SB431542 DMSO Solution, Animal-derived-free						1mL 033-24631
SB431542, MF					5 mg	193-18031 25 mg 199-18033
Shz-1						5 mg 196-18021
Spermine					250 mg	198-09811 1 g 194-09813
Trichostatin A					1 mg	203-17561 5 mg 209-17563
Troglitazone					5 mg	209-19481 50 mg 205-19483
TWS119					1 mg	206-17671 5 mg 202-17673
XAV939				5 mg	247-00951	25 mg 243-00953 100 mg 241-00954

Extracellular Matrices

It has been shown that the extracellular matrices support normal cell functions and play an important role in cell division and differentiation.
These products can be used as coating agents for cell cultures. (＊: The products can not to be exported to United States.)

Laminin Solution, from Mouse EHS Tumor						1 mg 120-05751
Fibronectin Solution, from Human Plasma						1 mg 063-05591
Fibronectin, from Bovine Plasma, New Zealand Origin					1 mg	062-05701 5 mg 068-05703
Vitronectin (20-398 aa), Human, recombinant, Solution						500 μg 220-02041
Adhesamine						1 mg 010-23201
StemSure 0.1w/v% Gelatin Solution						500 mL 190-15805
EHS-gel Basement Membrane Matrix						5 mL 055-09031
[Nitta Gelatin Inc.]						
Cellmatrix Type I -A (Collagen, Type I, 3mg/mL, pH 3.0)					20 mL	631-00651 100 mL 637-00653
Cellmatrix Type I -C (Collagen, Type I, 3mg/mL, pH 3.0)					20 mL	631-00771 100 mL 637-00773 ＊
Cellmatrix Type I -P (Collagen, Type I, 3mg/mL, pH 3.0)					20 mL	638-00661 100 mL 634-00663
Cellmatrix Type III (Collagen, Type III, 3mg/mL, pH 3.0)	5 mL	631-01011			20 mL	637-01013 100 mL 635-01014 ＊
Cellmatrix Type IV (Collagen, Type IV, 3mg/mL, pH 3.0)	5 mL	638-05921			20 mL	634-05923 100 mL 632-05924 ＊
[Nippi,Inc.]						
Collagen Type I bovine skin (pepsin solubilized collagen) 3mg/mL					20 mL	303-95713 100 mL 307-95711
Collagen Type I bovine skin (acid solublized collagen) 3mg/mL					20 mL	303-95693 100 mL 307-95691
Collagen Type I bovine tendon (pepsin solubilized collagen) 3mg/mL					20 mL	300-95723 100 mL 304-95721
Collagen Type I ostrich tendon (pepsin solubilized collagen) 3mg/mL					20 mL	305-95773 100 mL 309-95771
Collagen Type I porcine skin (pepsin solubilized collagen) 3mg/mL					20 mL	307-95733 100 mL 301-95731
Collagen Type I porcine tendon (pepsin solubilized collagen) 3mg/mL					20 mL	304-95743 100 mL 308-95741
Collagen Type I rat skin (pepsin solubilized collagen) 2mg/mL						1 mL 302-95761
Collagen Type I chicken skin (pepsin solubilized collagen) 2mg/mL						10 mL 305-95751
Collagen Type I tilapia skin (pepsin solubilized collagen) 3mg/mL					20 mL	309-95793 100 mL 303-95791
Collagen Type III bovine skin (pepsin solubilized collagen) 3mg/mL	5 mL	306-95781			20 mL	300-95784 100 mL 302-95783
Collagen Type IV bovine lens capsule (acid solubilized collagen) 0.5mg/mL						1 mL 300-95701
Collagen Powder Type I bovine skin (acid solublized collagen)					100 mg	382-07371 500 mg 388-07373
Collagen Powder Type I bovine skin (pepsin solubilized collagen)					100 mg	383-07421 500 mg 389-07423
Collagen Powder Type I porcine skin (pepsin solubilized collagen)					100 mg	380-07431 500 mg 386-07433
Collagen Powder Skin Type porcine skin (pepsin solubilized collagen)					100 mg	387-07441 500 mg 383-07443
[Matrixome Inc.]						
iMatrix-511 Silk						175 μg × 6 387-10131
iMatrix-511 solution (0.5mg/ml)					175 μg × 2	385-07361 175 μg × 6 381-07363
[FUJIFILM Corporation]						
cellnest, recombinant peptide based on human collagen type I 0.1% solution						20 mL 635-30081
cellnest, recombinant peptide based on human collagen type I Lyophilized						100 mg 638-30071

Cell Dispersion

We have launched DISPASE manufactured by Godo Shusei Co., Ltd. (Japan). It is a metallo protease that cleaves the N-terminal peptide bonds of neutral, non-polar amino acids.
DISPASE rarely causes cell damage and is featured by gentle cell dispersion unlike the activity of protease such as trypsin or collagenase, leading to a practical use in a new field of ES or iPS cells for cell dispersion or passage.

DISPASE I (sterilized type, Enzyme activity: 10,000 – 13,000 PU/vial)		[Godo Shusei]				6 vials 386-02271
DISPASE II (unsterilized type, Enzyme activity: 300,000 – 360,000 PU/g)		[Godo Shusei]				1 g 383-02281
0.25w/v% Trypsin Solution with Phenol Red						100 mL 201-18841
0.05w/v% Trypsin-0.53mmol/l EDTA・4Na Solution with Phenol Red					100 mL	202-16931 500 mL 204-16935
0.5w/v% Trypsin-5.3mmol/l EDTA・4Na Solution without Phenol Red (×10)						100 mL 208-17251
0.5w/v% Trypsin-5.3mmol/l EDTA・4Na Solution with Phenol Red (×10)						100 mL 206-17291
0.25w/v% Trypsin-1mmol/l EDTA・4Na Solution with Phenol Red					100 mL	209-16941 500 mL 201-16945
Collagenase, recombinant, Animal-derived-free						240,000 units 036-23141
Collagenase	100 mg	038-22361			1 g	034-22363 5 g 032-22364
Collagenase Type I	100 mg	031-17601			500 mg	037-17603 1 g 035-17604
Collagenase Type V					100 mg	038-17851 1g 032-17854
Collagenase Type X					100 mg	035-17861 1 g 039-17864
Collagenase Type A, Animal-derived-free					100 mg	038-24561 500 mg 034-24563
Trypsin-EDTA Solution without Phenol Red, AF					100 mL	203-20251 500 mL 205-20255