

WELGENE



Product List

**WELGENE is specialized in cell culture,
molecular biology and genomics**

Animal Sera

| product name | Cat. No. | Size |
|---|----------|----------------|
| Fetal Bovine Serum | S001-01 | 500 ml, 100 ml |
| Fetal Bovine Serum, heat inactivated | S101-01 | 500 ml, 100 ml |
| Fetal Bovine Serum | S001-07 | 500 ml, 100 ml |
| Fetal Bovine Serum, heat inactivated | S101-07 | 500 ml, 100 ml |
| Fetal Bovine Serum, ES-Cell Tested | S001-04 | 500 ml, 100 ml |
| Fetal Bovine Serum, AU origin | S001-03 | 500 ml, 100 ml |
| Fetal Bovine Serum, AU origin, heat inactivated | S101-03 | 500 ml, 100 ml |
| Fetal Bovine Serum, dialyzed | S001-05 | 500 ml, 100 ml |
| Fetal Bovine Serum, dialyzed, heat inactivated | S101-05 | 500 ml, 100 ml |
| Fetal Bovine Serum, AU origin, dialyzed | S001-08 | 500 ml, 100 ml |
| Bovine Calf Serum, AU origin | S003-05 | 500 ml |
| Bovine Calf Serum, AU origin, heat inactivated | S103-05 | 500 ml |
| Horse Serum | S004-01 | 500 ml |
| Horse Serum, heat inactivated | S104-01 | 500 ml |

※ The main products are listed only in the catalogue. Additionally, we stock a wide range of products.

- WELGENE Serum considers high standard of quality its top priority and use carefully selected premium materials only.
- WELGENE Serum is a gold standard product and holds No.1 place at market sharing in Korea.
- Gold Serum means high quality product that customers could always count on.

- Fetal Bovine Serum
- Fetal Bovine Serum, heat inactivated
- Fetal Bovine Serum, dialyzed
- Bovine Calf Serum
- Horse Serum
- Specially Treated Sera
- All other serum for cell cultivation



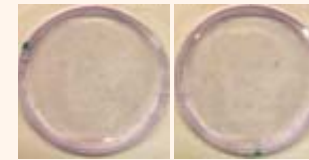
ES-Cell FBS

| product name | Cat. No. | Size |
|------------------------------------|----------|----------------|
| Fetal Bovine Serum, ES-Cell Tested | S001-04 | 500 ml, 100 ml |

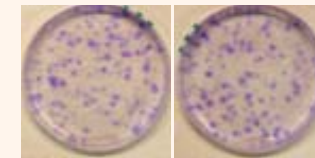
WELGENE's masterpiece FBS recognized by ES-Cell

Stem-Cell Culture Test

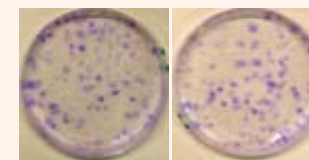
■ Results :



A사 일반 FBS



WELGENE의 Stem-Cell FBS



B사 Stem-Cell FBS

- Cell : Mesenchymal Stem Cells (Human Bone Marrow)
- Method : Colony-forming Unit (CFU) Assay, Crystal Violet Staining, 20% FBS



Continuous FBS package discount (2+20+1)

FBS 2 Bottles



Liquid Media 20 Bottles



Trypsin-EDTA 1 Bottle



※ We can supply every product we sell such as DMEM, RPMI1640 and MEM, and so on. But the quantity can fluctuate depending on culture medium price.

Liquid Media

| product name | Description | Cat. No. | Size |
|---------------------------|--|----------|-------------|
| DMEM | With high glucose, L-glutamine & sodium pyruvate | LM001-05 | 500 ml, 1 L |
| DMEM | With high glucose & L-glutamine | LM001-07 | 500 ml, 1 L |
| DMEM | With low glucose, L-glutamine & sodium pyruvate | LM001-11 | 500 ml, 1 L |
| DMEM/F-12 | With L-glutamine & 15 mM HEPES | LM002-04 | 500 ml, 1 L |
| IMDM | With L-glutamine & 15 mM HEPES Without α -thioglycerol & 2-mercaptoethanol | LM004-01 | 500 ml, 1L |
| L-15 | With L-glutamine | LM003-01 | 500 ml, 1 L |
| McCoy's 5A | With L-glutamine | LM005-01 | 500 ml, 1 L |
| M 199 | With Earle's salt & L-glutamine | LM006-01 | 500 ml, 1 L |
| MEM(EMEM) | With Earle's salt, L-glutamine & NEAA | LM007-07 | 500 ml, 1 L |
| MEM(EMEM) | With Earle's salt, L-glutamine & 25 mM HEPES | LM007-09 | 500 ml, 1 L |
| Alpha MEM | With L-glutamine, deoxyribonucleosides & ribonucleosides | LM008-01 | 500 ml, 1 L |
| F-10 | With L-glutamine | LM009-01 | 500 ml, 1 L |
| F-12 | With L-glutamine | LM010-01 | 500 ml, 1 L |
| RPMI1640 | With L-glutamine | LM011-01 | 500 ml, 1 L |
| Schneider's Insect Medium | With L-glutamine | LM503-01 | 500 ml, 1 L |
| TC-100 Insect Medium | With L-glutamine | LM505-01 | 500 ml, 1 L |
| Grace's Insect Medium | With L-glutamine | LM501-01 | 500 ml, 1 L |

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 ※Product composition is available from our Web site, www.welgene.com.

- WELGENE liquid culture medium always offers direct supply system of producers for the supply of Fresh Media.
- It is impossible to supply Fresh Media under long-term distribution process of existing foreign goods.
- WELGENE liquid culture medium is a gold standard product and holds No.1 place at market sharing in Korea.
- WELGENE use carefully materials that passed strict cell culture test and ultrapure water only.

- Classical Media (DMEM, MEM, RPMI1640, and so on, 200 different species)
- All culture material for insect cell cultivation
- Serum Free Media & Protein Free Media
- Specialty Media
- Culture medium production service offer according to order composition (Min. 5L)
- Cell cultivation with amount of 2% FBS only – SerumSaver™ DMEM, and so on, 4 different species)



Balanced Salt Solutions

Antibiotics & Liquid Reagents

Cell Culture Products

| product name | Description | Cat. No. | Size |
|--------------|--|----------|-------------|
| D-PBS(1X) | Without calcium chloride & magnesium chloride | LB001-02 | 500 ml, 1 L |
| D-PBS(1X) | With calcium chloride & magnesium chloride | LB001-01 | 500 ml, 1 L |
| D-PBS(10X) | Without calcium chloride & magnesium chloride | LB201-02 | 500 ml, 1 L |
| D-PBS(10X) | With calcium chloride & magnesium chloride | LB201-01 | 500 ml, 1 L |
| PBS(1X) | pH 7.2 | LB004-01 | 500 ml, 1 L |
| PBS(1X) | pH 7.4 | LB004-02 | 500 ml, 1 L |
| PBS(10X) | pH 7.2 | LB204-01 | 500 ml, 1 L |
| PBS(10X) | pH 7.4 | LB204-02 | 500 ml, 1 L |
| HBSS(1X) | Without calcium chloride & magnesium sulfate With phenol red & sodium bicarbonate | LB003-03 | 500 ml, 1 L |
| HBSS(1X) | Without calcium chloride, magnesium sulfate & phenol red. With sodium bicarbonate | LB003-04 | 500 ml, 1 L |
| HBSS(10X) | Without calcium chloride, magnesium sulfate & sodium bicarbonate. With phenol red | LB203-05 | 500 ml, 1 L |
| EBSS(1X) | Without calcium chloride & magnesium sulfate With phenol red & sodium bicarbonate | LB002-02 | 500 ml, 1 L |

| product name | Description | Cat. No. | Size |
|--|--|----------|----------------|
| Trypsin-EDTA(1X) | Contains 0.05% porcine trypsin(1:250), 0.53 mM EDTA · 4Na and phenol red in HBSS without Ca ²⁺ & Mg ²⁺ | LS015-01 | 100 ml, 500 ml |
| Trypsin-EDTA(1X) | Contains 0.05% porcine trypsin(1:250), 0.53 mM EDTA · 4Na in HBSS without Ca ²⁺ & Mg ²⁺ without phenol red | LS015-09 | 100 ml, 500 ml |
| Trypsin-EDTA(10X) | Contains 0.5% porcine trypsin(1:250), 5.3 mM EDTA · 4Na and phenol red in 0.9% sodium chloride | LS015-02 | 100 ml |
| Trypsin-EDTA(10X) | Contains 0.5% porcine trypsin(1:250), 5.3 mM EDTA · 4Na and phenol red in 0.9% sodium chloride without phenol red | LS015-08 | 100 ml |
| Trypsin Solution(1X) | Contains 0.25% porcine trypsin(1:250) and phenol red in HBSS without Ca ²⁺ & Mg ²⁺ | LS015-10 | 100 ml, 500 ml |
| Antibiotic Antimycotic Solution (100X) | Contains 10,000 U/ml penicillin, 10mg/ml streptomycin sulfate and 25µg/ml amphotericin B in 0.85% saline. | LS203-01 | 20 ml, 100ml |
| Geneticin(G418 sulfate) | Contains 50 mg/ml active Geneticin | LS205-01 | 20 ml, 100 ml |
| Gentamicin | Contains 10mg/ml gentamicin | LS201-01 | 20 ml, 100 ml |
| Penicillin Streptomycin(50X) | Contains 5,000 U/ml penicillin(base) and 5,000 µg/ml streptomycin(base) | LS202-01 | 20 ml, 100 ml |
| Penicillin Streptomycin(100X) | Contains 10,000 U/ml penicillin(base) and 10,000 µg/ml streptomycin(base) | LS202-02 | 20 ml, 100 ml |
| L-glutamine | 200 mM solution | LS002-01 | 100 ml |
| MEM NEAA(100X) | MEM non-essential amino acid solution | LS005-01 | 100 ml |
| Trypan Blue | 0.4% solution | LS014-01 | 100 ml |
| Sodium Pyruvate | 100 mM solution | LS013-01 | 100 ml |
| Water | Cell and tissue culture grade | LS016-01 | 500 ml, 1 L |

Cell Culture Products

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- WELGENE culture medium buffer always offers direct supply system of producers for the supply of fresh goods.
- WELGENE use carefully premium materials that passed strict cell culture test.
- WELGENE use ultrapure water used in liquid culture medium production.

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- WELGENE use carefully premium materials that passed strict cell culture test.
- WELGENE use ultrapure water used in liquid culture medium production.

· All culture medium buffer like PBS, D-PBS, HBSS, EBSS, and so on
 · Culture medium production service offer according to order composition (Min. 5L)

· All sell desorption solution like Trypsin-ETDA
 · All antibiotics like Pen/Strep
 · All liquid products for cell cultivation
 · Culture medium production service offer according to order composition (Min. 5L)



Molecular Biology Buffer and Liquid Reagents

| product name | Cat. No. | Size |
|---|-----------|-----------|
| 40% Acrylamide solution | ML 001-01 | 500 ml |
| 45% Acrylamide solution | ML 001-02 | 500 ml |
| 30% Acrylamide/bis-acrylamide, 19:1 ratio | ML 002-01 | 500 ml |
| 30% Acrylamide/bis-acrylamide, 29:1 ratio | ML 002-02 | 500 ml |
| 30% Acrylamide/bis-acrylamide, 29:1 ratio | ML 002-03 | 1 L |
| 30% Acrylamide/bis-acrylamide, 37.5:1 ratio | ML 002-03 | 500 ml |
| 40% Acrylamide/bis-acrylamide, 19:1 ratio | ML 002-04 | 500 ml |
| 40% Acrylamide/bis-acrylamide, 29:1 ratio | ML 002-05 | 500 ml |
| Ampicillin (50 mg/ml) | ML 003-01 | 1 ml X 12 |
| Chloramphenicol (10 mg/ml) | ML 003-02 | 1 ml X 12 |
| Kanamycin (20 mg/ml) | ML 003-04 | 1 ml X 12 |
| Tetracycline (10 mg/ml) | ML 003-07 | 1 ml X 12 |
| 0.5 M EDTA, Disodium Salt (pH 8.0), liquid | ML 005-01 | 500 ml |
| 1 N Hydrochloric Acid, liquid | ML 007-02 | 500 ml |
| Phosphate Buffered Saline (PBS) (1X), liquid | ML 008-01 | 500 ml |
| Phosphate Buffered Saline (PBS) (10X), liquid | ML 008-02 | 500 ml |
| 10% SDS Solution | ML 009-01 | 100 ml |
| 3 M Sodium Acetate (pH 5.2), liquid | ML 010-01 | 500 ml |
| 5M Sodium Chloride, liquid | ML 011-01 | 500 ml |
| 20X SSC Buffer, liquid | ML 012-01 | 1 L |
| 20X SSPE Buffer, liquid | ML 013-01 | 1 L |
| TE Buffer (pH 8.0), liquid | ML 014-80 | 500 ml |
| Tris-Acetate-EDTA Buffer (50X TAE), liquid | ML 015-02 | 1 L |
| Tris-Borate-EDTA Buffer (10X TBE), liquid | ML 016-01 | 1 L |
| 1 M Tris-HCl Solution (pH 8.0), liquid | ML 017-80 | 500 ml |
| X-Gal | ML 018-01 | 1 ml |
| RNase-free Water | ML 019-01 | 100 ml |
| Ultra Pure Water | ML 019-02 | 500 ml |
| Sodium phosphate buffer, pH 8.5 (300mM) | ML 020-01 | 500 ml |
| Sodium phosphate buffer, pH 7.4 (300mM) | ML 020-02 | 500 ml |
| Alkaline Lysis Solution I | ML 021-01 | 100 ml |
| 10 N NaOH Solution | ML 022-02 | 500 ml |
| 1X TBS Solution, pH 7.4 | ML 023-02 | 500 ml |
| 10X TBS Solution, pH 7.4 | ML 023-04 | 500 ml |

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- More accurate, convenient and various molecular biology liquid product
- WELGENE use ultrapure water used in molecular biology research.
- WELGENE use carefully premium materials that passed molecular biology test.
- We stock a wide range of products.

- All liquid buffer like TAB, TBE, etc.
- All solutions like EDTA solution, Acrylamide solution, etc.
- Antibiotics
- All other liquid product for molecular biology research.



Molecular Biology & Cell Biology Kits

| product name | Description | Cat. No. | Size |
|--|---|----------|------------|
| WelPrep™ Plasmid Miniprep Kit | · Application for optimized Silica-Based Technology · Spin Column Type | PR001-02 | 200 prep |
| WelPrep™ Plasmid Maxiprep Kit | · Application for optimized Silica-Based Technology · Spin Column Type | PR002-01 | 10 prep |
| WelPrep™ Gel Extraction Kit | · High purity & High yield · Spin Column Type | PR003-02 | 200 prep |
| WelPrep™ PCR Purification Kit | · Spin Column Type | PR005-02 | 200 prep |
| WelProt™ HRP Detection Kit | · Western Detection Kit | ML040-01 | 1 kit |
| WelProt™ Protein Assay Kit | · Protein quantification kit | ML050-01 | 1 kit |
| WelProt™ Virus Concentration Reagent | · Increase virus titer with simple operation. | ML052-01 | 100 ml |
| WelProt™ Luciferase Assay Kit | · Fluorescence protein detection kit using Luciferin | ML060-01 | 100 rxns |
| WelProt™ Cellular Senescence Detection Kit | · Dyeing β - galactosidase for induce aging kit | ML051-01 | 50 rxns |
| WelCount™ Cell Proliferation Assay Kit | · Live cell measurement kit using XTT · Better use convenience assurance compared with MTT | TR005-01 | 1,000 rxns |

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- WELGENE research kits represents the best compromise between reasonable price and high quality.

- Plasmid Purification Kit (Mini, Maxi)
- Gel Extraction Kit
- PCR Purification Kit
- Protein analysis kit
- Living cells analysis kit

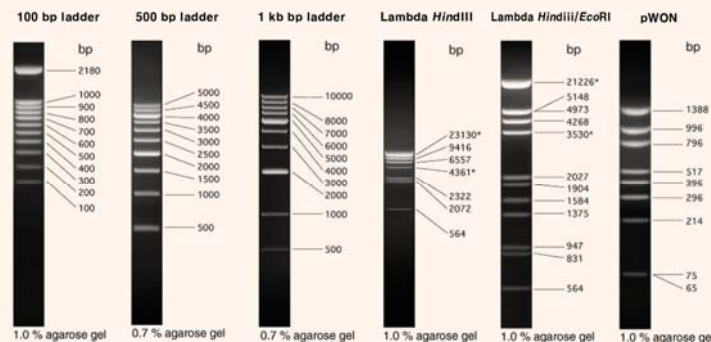


Molecular Weight Marker

| product name | Cat. No. | Size |
|--|----------|--------|
| Lambda DNA <i>EcoRI</i> Digest | DM1001 | 100 µg |
| Lambda DNA <i>EcoRI</i> Digest (Lyophilized) | DM1001L | 100 µg |
| Lambda DNA <i>HindIII</i> Digest | DM1003 | 100 µg |
| Lambda DNA <i>HindIII</i> Digest (Lyophilized) | DM1003L | 100 µg |
| Lambda DNA <i>EcoRI</i> + <i>HindIII</i> Digest | DM1005 | 100 µg |
| Lambda DNA <i>EcoRI</i> + <i>HindIII</i> Digest (Lyophilized) | DM1005L | 100 µg |
| Lambda DNA <i>BstEII</i> Digest | DM1009 | 100 µg |
| Lambda DNA <i>BstEII</i> Digest (Lyophilized) | DM1009L | 100 µg |
| Lambda DNA <i>StyI</i> (<i>Eco130I</i>) Digest | DM1011 | 100 µg |
| Lambda DNA <i>StyI</i> (<i>Eco130I</i>) Digest (Lyophilized) | DM1011L | 100 µg |
| pUC19 <i>MspI</i> (<i>HpaII</i>) Digest | DM1013 | 50 µg |
| pUC19 <i>MspI</i> (<i>HpaII</i>) Digest (Lyophilized) | DM1013L | 50 µg |
| pBR322 <i>HaeIII</i> (<i>BsuRI</i>) Digest | DM1015 | 50 µg |
| pBR322 <i>HaeIII</i> (<i>BsuRI</i>) Digest (Lyophilized) | DM1015L | 50 µg |
| pSEUDOFX <i>EcoRI</i> + <i>HinfI</i> Digest | DM1017 | 50 µg |
| pSEUDOFX <i>EcoRI</i> + <i>HinfI</i> Digest (Lyophilized) | DM1017L | 50 µg |
| pWON <i>EcoRI</i> + <i>HinfI</i> Digest | DM1019 | 50 µg |
| pWON <i>EcoRI</i> + <i>HinfI</i> Digest (Lyophilized) | DM1019L | 50 µg |
| pWON600 <i>EcoRI</i> + <i>HinfI</i> Digest | DM1021 | 50 µg |
| pWON600 <i>EcoRI</i> + <i>HinfI</i> Digest (Lyophilized) | DM1021L | 50 µg |
| 50 bp ladder | DM1029 | 50 µg |
| 50 bp ladder (Lyophilized) | DM1029L | 50 µg |
| 100 bp ladder | DM1023 | 50 µg |
| 100 bp ladder (Lyophilized) | DM1023L | 50 µg |
| 500 bp ladder | DM1025 | 50 µg |
| 500 bp ladder (Lyophilized) | DM1025L | 50 µg |
| 1 kb ladder | DM1027 | 50 µg |
| 1 kb ladder (Lyophilized) | DM1027L | 50 µg |

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- we stock a wide size of products.
 - We can provide solution products and freeze-dried products.
 - WELGENE provide the exact size and quantity.
 - WELGENE provides customers with very reasonable price.
- Macromolecule size markers like Lambda *HindIII* Digest, etc.
 - Size markers like pWON, etc.
 - Ladder size markers o like 100 bp Ladder, etc.



Transfection Reagents

| product name | Description | Cat. No. | Size |
|--|---|----------|------------------|
| WelFect-EX™ PLUS Transfection Reagent | · The availability of maximum 90% cell transfection · Excellent generality | TR003-02 | 1 ml (600 wells) |
| WelFect-EX™ Transfection Reagent | · Excellent generality for its price | TR006-02 | 1 ml (600 wells) |
| WelFect-EX™ GOLD Transfection Reagent | · The availability of maximum 100% cell transfection · The world's best efficiency of Transfection Reagent · Excellent generality | TR008-02 | 1 ml (600 wells) |
| WelFect-Q™ GOLD Transfection Reagent | · Existing goods can't do live cell transfection. (Primary cell & Stem cell, etc.) only · The availability for efficient transfection under serum existence | TR009-02 | 1 ml (600 wells) |
| WelFect-C™ GOLD Transfection Reagent | · The availability for efficient transfection under serum existence | TR014-01 | 1 ml |
| ENHANCER-Q™ Transfection Enhancing Reagent | · Efficiency improvement from several times to hundred times in existing Transfection Reagent · High compatibility with other products | TR001-02 | 1 ml |
| WelFect-Q™ PLUS Transfection Reagent | · HepG2, SK-OV-3, A549, MCF-7, AGS dedicated product · The availability for transfection under serum existence in case of SiHA, COS-1, 293 · Primary cell 및 stem cell | TR002-02 | 1 ml (600 wells) |
| TOM™ Transfection Optimized Medium (Serum-Free Medium) | · Serum-free-medium for Transfection only · The partner of high efficiency transfection | TR004-01 | 500 ml |

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- WELGENE Transfection Reagent is the world's best efficient products that has already been cited more than dozens of times in EMBO Journal, FEBS Letters, JBC, Oncogene, etc.
 - A customer can choose a wide range of products according to cell line and use.
 - WelFact™ means the world's best efficiency of Transfection Reagent.
 - Custom service provide a quick resolution of the problem that existing goods can't do live cell transfection.
- For normal cell line
 - For Stem cell, primary cell
 - For transfection under serum existence
 - Cell line product guide is available from pop-up window of www.welgene.com

