Lot 8

1. **Heat-inactivated FBS**
2. **RPMI 1640 medium**
3. **DMEM High Glucose medium**
4. **Penicillin-Streptomycin solution**
5. **DMEM/F-12 medium**
6. **Dulbecco's phosphate-buffered saline (DPBS)**
7. **Trypsin-EDTA 0.05% (1X) solution**
8. **Trypsin 2.5% (10X) solution**
9. **Trypan Blue stain solution**
10. **Cell Proliferation ELISA, EdU Microplate Assay**
11. **TRIzol reagent solution**
12. **Protease Inhibitor Cocktail, EDTA-free (100X)**
13. **Tris(hydroxymethyl)aminomethane powder**
14. **1kb DNA Ladder**
15. **Agarose powder**
16. **LB Broth Base powder**
17. **LB Agar powder**
18. **Collagenase Type I**
19. **ALP Activity Kit**
20. **Bovine Serum Albumin (BSA) powder**
21. **Crystal Violet stain**
22. **Dimethyl sulfoxide (DMSO) solution**
23. **RIPA Buffer**
24. **TaqMan Array Human ECM & Adhesion Molecules panel**
25. **UltraPure Glycine powder**
26. **Coomassie Brilliant Blue powder**
27. **SYBR Safe DNA Gel Stain solution**
28. **DNA Gel Loading Dye (6X) solution**
29. **50 bp DNA Ladder**
30. **Ready-to-use DNA Ladder, 100–300 bp**
31. **Recombinant Human Insulin Zinc**
32. **Lipopolysaccharide (LPS) solution**

33. Dispase II

34. Collagenase Type II

35. MEM Alpha medium with nucleosides

36. TRAP Activity Kit

37. Autoclavable adjustable micropipette, 0.1–2.5 µL

38. Autoclavable adjustable micropipette, 0.5–10 µL

39. Autoclavable adjustable micropipette, 2–20 µL

40. Autoclavable adjustable micropipette, 10–100 µL

41. Autoclavable adjustable micropipette, 20–200 µL

I. Heat-inactivated FBS

Fetal Bovine serum, Value, Heat inactivated, 500 ml , low endotoxin and hemoglobin level, sterile

II. RPMI 1640 medium

Concentration 1 X
Quantity 500 mL
Form Liquid
Sterile
With Additives Glutamine, Phenol Red
Without Additives No HEPES, No Sodium Pyruvate

III. DMEM High Glucose medium

Concentration 1 X
Quantity 500 mL
Culture Type Mammalian Cell Culture
Form Liquid
Sterility Sterile-
With Additives High Glucose, Glutamine, Phenol Red, Sodium Bicarbonate
Without Additives No HEPES, No Sodium Pyruvate

IV. Penicillin-Streptomycin solution

Sterile 1ml
This solution contains 10,000 units/mL of penicillin and 10,000 µg/mL of streptomycin. The antibiotics penicillin and streptomycin are used to prevent bacterial contamination of cell cultures due to their effective combined action against gram-positive and gram-negative bacteria.

V. DMEM/F-12 medium

Concentration 1 X
For Use With (Application) Mammalian cell culture
Quantity 500 mL
Form Liquid
Sterility Sterile
With Additives High Glucose, Glutamine, HEPES, Phenol Red, Sodium Pyruvate

VI. Dulbecco's phosphate-buffered saline (DPBS)
DPBS (10X), no calcium, no magnesium, 500 mL **Includes** No Sodium Pyruvate **Sterility** Sterile **Concentration**10 X **For Use With (Application)** Mammalian Cell Culture **Physical Form** Liquid **Quantity** 500 mL
VII. Trypsin-EDTA 0.05% (1X) solution
Cell Type Mammalian Cells **Chelators** EDTA **Concentration**1 X **Quantity**500 mL **Tested For** In vitro Bioassay **Form** Liquid **Product Type** Cell Culture Dissociation Reagent **Sterility** Sterile **With Additives** Phenol Red, EDTA
VIII. Trypsin 2.5% (10X) solution
Cell Type Mammalian Cells **Chelators** No EDTA **Concentration**10 X **Quantity**100 mL **Tested For**In vitro Bioassay **Form** Liquid **Product Type** Cell Culture Dissociation Reagent **Sterility** Sterile **Without Additives** No Phenol Red
IX. Trypan Blue stain solution
Trypan-Blue stain 100ML, 0.4%, is routinely used as a cell stain to assess cell viability using the dye exclusion test.
X. Cell Proliferation, EdU Microplate Assay
EdU Proliferation Assay for Microplates, 400 Assays, provides a more simplified and robust method for the measurement of mammalian cell proliferation.
XI. TRIzol reagent solution
200ML, ready-to-use reagent for the isolation of high-quality total RNA or the simultaneous isolation of RNA, DNA, and protein from a variety of biological samples
XII. Protease Inhibitor Cocktail, EDTA-free (100X)
Protease Inhibitor Cocktail, EDTA-free (100X),1ML, ready-to-use concentrated stock solutions of protease inhibitors for addition to samples to prevent proteolytic degradation during cell lysis and protein extraction
XIII. Tris(hydroxymethyl)aminomethane powder
Tis is a standard reagent for preparation of many molecular biology buffers. 1KG TRIS

XIV. 1kb DNA Ladder
1 kb DNA Ladder (5 x 50ug) is recommended for sizing and approximate quantification of a double-stranded DNA in the range of 250 bp to 10,000 bp on agarose gels. The DNA ladder consists of 14 DNA fragments and is provided with 6X TriTrack DNA Loading Dye
XV. Agarose powder
Optimal concentration between 0.7 to 2% in all typical buffer systems. It is a highly purified agarose with very low EEO values certified by strict quality control test procedures 500G
XVI. LB Broth Base powder
LB Broth Base (Lennox formulation) is a popular, rich medium used to cultivate bacteria and perform coliphage plaque assays. **Preparation Method** Autoclave 500G
XVII. LB Agar powder
LB Agar (Lennox L agar) is a solid agar media powder recommended for the general maintenance and growth of E. coli strains **Preparation Method** Autoclave 500G
XVIII. Collagenase Type I
Lyophilized, 500MG Collagenase I is a protease that cleaves the bond between a neutral amino acid (X) and glycine in the sequence Pro-X-Gly-Pro, which is found with high frequency in collagen Type one, Powder
XIX. ALP Activity Kit
The Alkaline Phosphatase (ALP) Activity Kit 96 tests is a highly reliable and sensitive assay designed for the quantitative measurement of ALP activity in various sample types. This ready-to-use kit includes clear 96-well plate(s), other assay specific reagents, buffers, and a lot-specific technical data sheet.
XX. Bovine Serum Albumin (BSA) powder
BSA 5mg, Molecular Biology Grade BSA is ideal for stabilization of enzymes during storage and for enzymatic reactions where the absence of nucleases is essential. Concentration 20 mg/mL
XXI. Crystal Violet stain
Crystal violet 100 g or gentian violet, also known as methyl violet 10B or hexamethyl pararosaniline chloride, is a triarylmethane dye used as a histological stain and in Gram's method of classifying bacteria
XXII. Dimethyl sulfoxide (DMSO) solution
DMSO (DIMETHYLSULFOXIDE) 10 x 3 mL cell culture / molecular biology grade high purity

XXIII. RIPA Buffer
RIPA Lysis 100 ml and Extraction Buffer is a high-quality, ready-to-use and fully disclosed formulation of a popular cell lysis reagent for cultured mammalian cells.
XXIV. TaqMan Array Human ECM & Adhesion Molecules panel
qMan™ Array Human Extracellular Matrix & Adhesion Molecules 96-well Plate contains 92 assays to extracellular matrix & adhesion molecules associated genes and 4 assays to candidate endogenous control genes 1 standard plate
XXV. UltraPure Glycine powder
Glycine (500 g) is an amino acid used in the preparation of some electrophoresis buffers. With a pKa1 of 2.3 and a pKa2 of 9.6, UltraPure™ Glycine is suitable for buffering at the extremes of the common buffering range.
XXVI. Coomassie Brilliant Blue powder
Coomassie Brilliant Blue dyes are composed of one of the most common forms of coomassie dye, which is a key component of various colorimetric protein gel stains.
XXVII. SYBR Safe DNA Gel Stain solution
400 UL SYBR™ Safe DNA Gel Stain is a highly sensitive stain for visualization of DNA in agarose or acrylamide gels. SYBR™ Safe stain is specifically formulated to be a less hazardous alternative to ethidium bromide that can utilize either blue light or UV excitation.
XXVIII. DNA Gel Loading Dye (6X) solution
5 x 1.0 mL 6X DNA Loading Dye is used to prepare DNA markers and samples for loading on agarose or polyacrylamide gels.
XXIX. 50 bp DNA Ladder
50 µg 50 bp DNA Ladder is recommended for sizing and approximate quantification of a double-stranded DNA in the range of 50 bp to 1,000 bp on agarose or polyacrylamide gels. The DNA ladder consists of 13 DNA fragments and is provided with 6X TriTrack DNA Loading Dye
XXX. Ready-to-use DNA Ladder, 100–300 bp
Concentration6X **Gel Compatibility** Agarose Gels **Quantity**100 Applications **Ready to Load** Yes **Volume (Metric)**50 µg **Gel Type** Agarose **Product Type** Ultra Low Range DNA Ladder **Size Range**10 to 300 bp **Unit Size**50 µg

XXXI. Recombinant Human Insulin Zinc
5ML sterile Insulin, human recombinant, zinc solution, is a premium product formulated for cell culture applications. Each 5-mL bottle contains human recombinant insulin in solution at a concentration of 4 mg/mL
XXXII. Lipopolysaccharide (LPS) solution
500X, 100UL sterile The Lipoploysaccharide (LPS) Solution (500X) is a ready to use solution of LPS from Escherichia coli 026:B6 in aqueous solution. LPS is a major component of the cell wall of gram negative bacteria.
XXXIII. Dispase II
Dispase II Lyophilized (neutral protease) is an amino-endo peptidase that hydrolyzes the N-terminal peptide bonds of non-polar amino acid residues.Quantity 5gr
XXXIV. Collagenase Type II
Collagenase (Lyophilized) is a protease that cleaves the bond between a neutral amino acid (X) and glycine in the sequence Pro-X-Glyc-Pro, which is found with high frequency in collagen. Quantity 1gr
XXXV. MEM Alpha medium with nucleosides
Cell Type Mammalian Cells **Concentration** 1 X **Quantity** 500 mL **Form** Liquid **Sterility** Sterile **With Additives** Glutamine, Phenol Red, Sodium Pyruvate, Ribonucleosides, Deoxyribonucleosides, Sodium Bicarbonate **Without Additives** No HEPES
XXXVI. TRAP Activity Kit
With this kit (96 TESTS), a chromogenic agent is catalyzed by acid phosphatase to produce p-nitrophenol in acidic condition. P-nitrophenol has a maximum absorption at 405 nm. Assay range 0.911 to 100 U/L
XXXVII. Autoclavable adjustable micropipette, 0.1–2.5 µL
Standard fully autoclavable Pipettes, with high accuracy and precision, and robustness quality
XXXVIII. Autoclavable adjustable micropipette, 0.5–10 µL
Standard fully autoclavable Pipettes, with high accuracy and precision, and robustness quality
XXXIX. Autoclavable adjustable micropipette, 2–20 µL
Standard fully autoclavable Pipettes, with high accuracy and precision, and robustness quality
XL. Autoclavable adjustable micropipette, 10–100 µL
Standard fully autoclavable Pipettes, with high accuracy and precision, and robustness quality

XLI. Autoclavable adjustable micropipette, 20–200 µL
SA Series standard fully autoclavable Pipettes, which due to their high accuracy and precision, robustness quality and fantastic ergonomic design make them an excellent price value pipette for all laboratory needs all over the world