|                     | <b>4</b><br>RNA isolation<br>kits | CUSTOM<br>SPECIALTY<br>SERVICES    | 1 Initial preparation:<br>Current de annuel cells, Alter trapportacition and auxiliary cells<br>with PRS, del 3 cells and the sense if the cultural autiliary<br>del and Cells Buffer to this wave. For cultural autiliary<br>buffer (in mig estimation) and the sense memory of the<br>culture field, once the medium has been removed. PRI<br>buffer alter and the cells from the culture field. Network,<br>it is noted to wash the cells prior to the addition of DRI<br>buffer. | 2<br>DNA recovery<br>kits |
|---------------------|-----------------------------------|------------------------------------|--|---------------------------|
| CULTURE<br>media    |                                   | <b>8</b><br>DNA<br>Extraction kits | Quick and<br>easy<br>applications  | 25<br>MINUTES             |
| oligo<br>nucleotide |                                   |                                    | Peptide<br>synthesis   |                           |
|                     | GENE<br>synthesis                 |                                    | PCR<br>reagents  |                           |
|                     |                                   |                                    | -  |                           |





RNA

### DENAzist Asia's High-quality RNA isolation kits

The wide range of kits from DENAzist Asia can be used for reliable and reproducible extraction of RNA from variety of cells and tissues.

The kits are made from high quality chemicals and are rigorously tested and analyzed for the highest quality and performace.

| Plants                                   | Blood              | –<br>Tissues & Cells   |
|--|--------------------|--|
| S-1010<br>S-1010-1<br>S-1020<br>S-1020-1 | S-1021<br>S-1021-1 | S-1010<br>S-1010-1<br>S-1020<br>S-1020-1<br>S-1023<br>S-1023-1 |

| Cat. No. | Name                                 | Application   |  |
|----------|--------------------------------------|---|--|
| S-1010   | Total RNA isolation kit (25)         | A unique combination of solutions for extraction of RNA from cells, tissues, bacteria, yeasts. 25 and 50 applications |  |
| S-1010-1 | Total RNA isolation kit (50)         |   |  |
|          |                                      |   |  |
| S-1020   | Column RNA isolation kit (25)        | Spin column based. For quick and easy isolation of total RNA from   |  |
| S-1020-1 | Column RNA isolation kit (50)        | and yeast cells   |  |
|          |                                      |   |  |
|          |                                      |   |  |
|          |                                      |   |  |
| S-1021   | Blood RNA isolation kit (25)         | Spin column based. For quick and easy isolation of total RNA  |  |
| S-1021-1 | Blood RNA isolation kit (50)         | from whole blood samples. 25 and 50 applications  |  |
|          |                                      |   |  |
| S-1023   | Animal Tissue RNA isolation kit (25) | Spin column based. For quick and easy isolation of total RNA  |  |
| S-1023-1 | Animal Tissue RNA isolation kit (25) | from animal cells and tissues. 25 and 50 applications   |  |
|          |                                      |   |  |



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# DENAzist Asia's High-quality DNA isolation kits

#### DNA

| Genomic DNA       | Blood DNA | Plasmid DNA | Recovery from<br>gel | Recovery from<br>PCR & other<br>reactions |
|-------------------|-----------|-------------|----------------------|---|
| S-1030 S-1034     | S-1031    | S-1040      | S-1050               | S-1060                                    |
| S-1030-1 S-1034-1 | S-1031-1  | S-1040-1    | S-1050-1             | S-1060-1                                  |
| S-1033 S-1035     | S-1036    | S-1041      | I                    | I   |
| S-1033-1 S-1035-1 | S-1036-1  | S-1041-1    |                      |   |

| Cat. No.  | Name                               | Application   |  |
|-----------|------------------------------------|---|--|
| S-1030    | Geomic DNA isolation kit (25)      | Spin column based. For quick and easy isolation of genomic DNA from a wide                          |  |
| S-1030-1  | Genomic DNA isolation kit (50)     | range of cells and tissues including animal and plant cells.  |  |
|           |                                    |   |  |
| S-1033    | Animal DNA isolation kit (25)      | Spin column based. For quick and easy isolation of genomic DNA from                                 |  |
| S-1033-1  | Animal DNA isolation kit (50)      | animal tissues and a wide variety of animal cell types. 25 and 50 applications.                     |  |
| 6 4 9 2 4 |                                    |   |  |
| 5-1034    | Fungi DNA isolation kit (25)       | Spin column based. For easy extraction of genomic DNA from plant tissues,                           |  |
| S-1034-1  | Fungi DNA isolation kit (50)       | seeds, and filamentus fungi. 25 and 50 applications.  |  |
|           |                                    |   |  |
| S-1035    | Bacterial DNA isolation kit (25)   | Spin column based. For easy extraction of genomic DNA from microorganisms                           |  |
| S-1035-1  | Bacterial DNA isolation kit (50)   | and gram positive and negative bacteria. 25 and 50 applications.                                    |  |
|           |                                    |   |  |
| S-1036    | Circulating DNA isolation kit (25) | Spin column based. For easy extraction of genomic DNA from plasma or serum. 25 and 50 applications. |  |
| S-1036-1  | Circulating DNA isolation kit (50) |   |  |
|           |                                    |   |  |
| S-1031    | Blood DNA isolation kit (25)       | Spin column based. For quick and easy isolation of total DNA from whole                             |  |
| S-1031-1  | Blood DNA isolation kit (50)       | blood samples. 25 and 50 applications   |  |

| S-1040   | Plasmid DNA isolation kit (25)    | Spin column based. For quick and easy isolation of plasmid DNA from bacterial cultures. 25 and 50 applications |  |
|----------|-----------------------------------|--|--|
| S-1040-1 | Plasmid DNA isolation kit (50)    |  |  |
|          |                                   |  |  |
| S-1041   | Plasmid NC DNA isolation kit (25) | A combination of solutions for alkaline miniprep isolation of plasmids from                                    |  |
| S-1041-1 | Plasmid NC DNA isolation kit (50) | bacterial cultures. 25 and 50 applications   |  |
|          |                                   |  |  |
| S-1050   | Gel extraction kit (25)           | Spin column based. For quick and easy recovery of nucleic acids from agarose                                   |  |
| S-1050-1 | Gel extraction kit (50)           | gel fragments. 25 and 50 applications  |  |
|          |                                   |  |  |
| S-1060   | PCR clean-up kit (25)             | Spin column based. For purification of nucleic acids from PCR, restriction                                     |  |
| S-1060-1 | PCR clean-up kit (50)             | enzyme digestion, or other enzymatic reactions. 25 and 50 applications   |  |



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## **DENAzist Plasmid DNA isolation kit**

Extract perfect plasmids with outstanding performance

Isolate sequencing-grade plasmids, mostly in their supercoiled form

... high-yield (up to 50 mg) isolation of plasmids





Isolate plasmids that could be easily digested for subcloning purposes



toxicity, have a higher transfection rate, and are more

#### Isolate plasmids that could be easily amplified in PCR reactions





Isolate plasmids that do not cause cell

Transfection of 293 cells with a plasmid expressing a protein fused to GFP

Easy and quick isolation of plasmids







# Molecular Reagents for molecular and cell biology applications

| Cat. No. | Name                         | Application of cell biology reagents   |
|----------|------------------------------|--|
| S-8010   | Permeabilization solution I  | 100 ml of 0.5% Triton X-100 in DZ PBS, ready to use for ICC and IHC applications   |
| S-8011   | Permeabilization solution II | 100 ml of 0.5% Tween-20 in DZ PBS, ready to use for ICC and IHC applications   |
| S-8012   | DZ PBS (20x)                 | 100 ml of 20x PBS, pH 7.4 for ICC, IHC, and ELISA applications, enough to make 2 liters of 1x PBS  |
| S-8013   | Fixation solution            | 50 ml of 4% paraformaldehyde in DZ PBS for ICC and IHC applications  |
| S-8014   | Antifade                     | A ready-to-use solution to inhibit quenching of fluorescence in ICC and IHC applications. 1 ml   |
| S-8015   | DAPI (1000x)                 | 0.5 ml of 1 mg/ml DAPI: 4', 6-Diamino-2-phenylindole dihydrochloride. A nuclear fluorescent stain used in immunocytochemsitry (ICC) and immunohistochemistry (IHC) applications.             |
| S-8016   | Antifade+DAPI                | 1 ml antifade containing 1 $\mu$ g/ml DAPI. A ready-to-use solution for staining nuclei in blue, mounting, and visualizing cells under the fluorescence microscope. ICC and IHC applications |

Achieve the highest quality of results with DENAzist's reagents for molecular and cell biology applications.

# superior reagents

| Cat. No. | Name  | Application of molecular biology reagents  |
|----------|---|--|
| S-5000   | Nulease-free water                            | 50 ml of PCR-grade water   |
| S-5001   | Ribonuclease-free water                       | 50 ml of RNA-grade DEPC-treated water  |
| S-5010   | Water-saturated phenol                        | 40 ml of pH 6.6 water-saturated phenol for RNA isolations, ready to use                                  |
| S-5011   | Tris-buffered phenol                          | 40 ml of pH 8.0 Tris-saturated phenol for DNA isolations, ready to use                                   |
| S-5020   | Ammonium acetate, 5M                          | 50 ml of nuclease-free, 5M ammonium acetate for nucleic acid precipitations, ready to use                |
| S-5021   | Sodium acetate, 3M                            | 50 ml of nuclease-free, 3M sodium acetate for nucleic acid precipitations, ready to use                  |
| S-5022   | Lithium chloride, 7.5M                        | 50 ml of nuclease-free, 7.5M lithium chloride for nucleic acid precipitations, ready to use              |
| S-5023   | Sodium chloride, 5M                           | 50 ml of nuclease-free, 5M sodium chloride for nucleic acid precipitations, ready to use                 |
| S-5024   | Magnesium chloride, 2M                        | 50 ml of nuclease-free, 2M magnesium chloride for nucleic acid precipitations, ready to use              |
| S-5030   | EDTA di-sodium solution                       | 50 ml of nuclease-free, pH 8.0, 0.5M Na2-EDTA solution for molecular biology applications                |
| S-5031   | Tris buffer, 1M, pH 6.6                       | 100 ml of nuclease-free, pH 6.6, 1M Tris buffer for molecular biology applications                       |
| S-5032   | Tris buffer, 1M, pH 7.0                       | 100 ml of nuclease-free, pH 7.0, 1M Tris buffer for molecular biology applications                       |
| S-5033   | Tris buffer, 1M, pH 7.5                       | 100 ml of nuclease-free, pH 7.5, 1M Tris buffer for molecular biology applications                       |
| S-5034   | Tris buffer, 1M, pH 8.0                       | 100 ml of nuclease-free, pH 8.0, 1M Tris buffer for molecular biology applications                       |
| S-5035   | Tris buffer, 1M, pH 8.5                       | 100 ml of nuclease-free, pH 8.5, 1M Tris buffer for molecular biology applications                       |
| S-5036   | SDS solution, 10%                             | 50 ml of nuclease-free, 10% SDS solution for molecular biology applications                              |
| S-5037   | TAE buffer, 50x                               | 100 ml of 50x TAE buffer for gel electrophoresis, enough to make 5 liters of running buffer              |
| S-5038   | TBE buffer, 20x                               | 100 ml of 20x TBE buffer for gel electrophoresis, enough to make 2 liters of running buffer              |
| S-5040   | Loading buffer l (50 bp), 5 x 1 ml            | 5x 1ml of 6x loading buffer, containing one dye that runs at ~50 bp in 1% agarose gel                    |
| S-5041   | Loading buffer l (300 bp), 5 x 1 ml           | 5x 1ml of 6x loading buffer, containing one dye that runs at ~300 bp in 1% agarose gel                   |
| S-5042   | Loading buffer I (1000 bp), 5 x 1 ml          | 5x 1ml of 6x loading buffer, containing one dye that runs at ~1000 bp in 1% agarose gel                  |
| S-5043   | Loading buffer l (4000 bp), 5 x 1 ml          | 5x 1ml of 6x loading buffer, containing one dye that runs at ~4000 bp in 1% agarose gel                  |
| S-5044   | Loading buffer II (50,1000 bp), 5 x 1 ml      | 5x 1ml of 6x loading buffer, containing two dyes that run at ~50 & 1000 bp in 1% agarose gel             |
| S-5045   | Loading buffer II (300,4000 bp), 5 x 1 m      | 1 5x 1ml of 6x loading buffer, containing two dyes that run at ~300 & 4000 bp in 1% agarose gel          |
| S-5046   | Loading buffer III (50,300,4000 bp), 5 x 1 ml | 5x 1ml of 6x loading buffer, containing three dyes that run at ~50, 300 & 4000 bp in 1% agarose gel      |
| S-5047   | Loading buffer IV (50,300,1000,4000 bp)       | 5x 1ml of 6x loading buffer, containing four dyes that run at ~50, 300, 1000 & 4000 bp in 1% agarose gel |
| S-5060   | DNase decontaminator                          | 500 ml of ready to use DNase decontamination reagent   |
| S-5061   | RNase decontaminator                          | 500 ml of ready to use RNase decontamination reagent   |
| S-5062   | RNA shield                                    | 100 ml of ready to use reagent to maintain and stabilize the integrtity of RNA                           |
| S-5070   | RNase A                                       | 1 ml of 2 mg/ml ribonuclease A for molecular biology applications  |
| S-5080   | Proteinase K                                  | 1 ml of 20 mg/ml proteinase K for molecular biology applications   |

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2

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مرکز رشد فناوری دانشگاه فردوسی مشهد