For DNA Isolation

1. DA-a-4
   Genomic DNA Isolation from Human Whole Blood
2. DA-c-7
   Genomic DNA Isolation from Nail
3. DA-c-6
   Genomic DNA Isolation from Dental Pulp and Hard Tissue (Tooth and Bones)
4. DA-c-8
   Genomic DNA Isolation from Paraffin-embedded Sample (Spin method)
5. DA-b
   Genomic DNA Isolation from Mammalian Tissue
6. DA-c-10
   Genomic DNA Isolation from Sperm of Mouse
7. DD-3
   DNA Isolation from Corbicula Clam
8. DD-2
   DNA Isolation from Chub Mackerel Blood Stored in TNES-6M Urea Buffer for a Long Time
9. DB-1
   Genomic DNA Isolation from Plants
10. DF-15
    Plasmid DNA Isolation from E.coli
11. DH-5
    Viral DNA Isolation from Simian Immunodeficiency Virus (SIV) Infected Cells
12. DH-1
    Genomic DNA Isolation from Branchia of Koi Herpes Virus (HKV) Infected Fish
13. DF-12
    Genomic DNA Isolation from Yeast
14. DF-8
    Genomic DNA Isolation from Methicillin-resistant Staphylococcus Aureus (MRSA)
15. DH-4
    Human Papilloma Virus (HPV) DNA Isolation from Human Cervical Carcinoma Cell Lines
16. DF-5
    Genomic DNA Isolation from Gonococcal Bacteria (Neisseria gonorrhoeae)
17. DF-7
    Genomic DNA Isolation from Helicobacter pylori
18. DF-10
    Genomic DNA Isolation from Pseudomonas aeruginosa
19. DF-1
    Bacterial Genomic DNA Isolation from Stool
20. DH-2
    Genomic DNA Isolation from Herpes Simplex Virus type 1 (HSV-1) Virus Solution
21. DF-9
    Genomic DNA Isolation from Penicillin-resistant Streptococcus Pneumoniae (PRSP)
22. DF-11
    Genomic DNA Isolation from Vancomycin-resistant Enterococcus (VRE)
23. DG-1&2
    Genomic DNA Isolation from Human Cultured Cell Line

For RNA Isolation

24. RA-a-1
    Total RNA Isolation from Leukocyte
25. RA-b,1,2,8 & RG-16
    Total RNA Isolation from Canine or Feline Adipose Tissue, Cutis and Primary-cultured Adipose Cells
26. RA-b
    Total RNA Isolation from Various Tissues of Mouse
27. RB-2&8
    Total RNA Isolation from Plant Tissues (Barley and wheat leaf )
28. RG-12,13,17-20
    Total RNA Isolation from Cultured Adherent Cells (Lysing directly in cultured dish)
29. RG-2,5,7,14,15
    Total RNA Isolation from Cultured Cells / Total RNA Extraction from Cells Cultured in 6 cm, 10 cm Dish
30. RH-10
    VNN (Viral Nervous Necrosis) RNA Isolation from Tilafish
31. RH-9
    Total RNA Isolation from Measles Virus Solution
32. RH-4
    Total RNA Isolation from Influenza Virus Solution
33. RH-8
    Total RNA Isolation from SARS Coronavirus (SARS-CoV) Infected Cells
34. RH-7
    Total RNA Isolation from Respiratory Syncytial (RS) Virus Solution
35. RH-9
    Viral RNA Isolation from Simian Immunodeficiency Virus (SIV) Infected Cells

* The Reference Number of QuickGene Application Guide.
The updated contents are now featured in other Application Guides.
The “QuickGene” series uses patented porous membrane to realize high purity and high yield in nucleic acid isolation. Versatile extraction kits support various samples to expand the application and possibility of DNA/RNA isolation, from basic research to medicine, food, agriculture and forensic criminal investigations.

**Overview**

- **QuickGene-Mini480**
  - **Features**
    - Compact system enabling DNA or RNA isolation through simple operation; just set the sample and rotate the pressurizing switch. No need to move from the lab bench throughout the isolation. Enhance usability by multichannel pipettes.
  - **Advantages**
    - No hazardous organic solvents
    - The cartridges and solvents are all supplied without DNase and RNase to avoid contamination. Environmentally friendly isolation can be conducted without using hazardous organic solvents.
    - Compact size
    - To minimize space requirement, all necessary items are packaged in a single compact package.

- **QuickGene-Auto240L**
  - **Features**
    - A stable high-purity high-yield isolation system, completely automated the DNA process from primary tube to final DNA storage tube, enabling automated isolation of approx. 50µg DNA from 2ml whole blood sample within 1 hour. Suitable for checking multiple parameters using limited amounts of blood in clinical research or livestock/ animal research.

**Operating conditions**

- **QuickGene-Mini480**
  - **Supply voltage**: AC 100-240V
  - **Power supply frequency**: 50/60 Hz
  - **Temperature**: 15-28°C
  - **Humidity**: 30-80% (non-condensing)

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  - **Supply voltage**: AC 100-240V
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**Consumables**

- **QuickGene** Kit S for QuickGene
  - **DNA**
    - whole blood, tissue, plasmid II
  - **RNA**
    - blood cell, tissue, cultured cell, cultured cell HC

- **QuickGene-Auto240L** Consumable Kit
  - **DNA**
    - whole blood L Kit
  - **Advantages**
    - Automated
    - Large-scale

**Specifications**

- **Overview**
  - **QuickGene-Mini480**
    - **Dimensions**: 280(W) x 250(D) x 300(H) mm
    - **Weight**: Approx. 3.3 kg
  - **QuickGene-Auto240L**
    - **Dimensions**: 280(W) x 260(D) x 800(H) mm
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    - whole blood L Kit

**Advantages**

- **Compact size**
  - **Store the reagents at 15°C~28 °C. No need for refrigerated storage.**
  - For enzyme reagents, refrigerated storage is recommended after use.
  - Nucleic acid isolation can be conducted as soon as the kits arrive.

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  - Nucleic acid isolation can be conducted as soon as the kits arrive.
**RNA Kit**

**For QuickGene-Mini480**

**RNA tissue kit II**
- Suitable for 1–10 mg tissues
- Isolation example: ca. 100 μg / 30 mg Balb/c Mouse liver
- Processing time: 15 min / 8 samples

**RNA cultured cell kit**
- Suitable for cells cultured on 6 cm, 10 cm dish
- Isolation example:
  - HL60, COS7, HeLa, HEK293, NIH/3T3
  - Processing time: 11 min / 8 samples

**RNA cultured cell HC kit**
- Suitable for cells cultured on 6 cm, 10 cm dish
- Isolation example:
  - HL60, COS7, HeLa, HEK293, NIH/3T3
  - Processing time: 20 min / 8 samples

**RNA blood cell kit**
- Suitable for whole blood
- Isolation example: ca. 4.5 μg / 1 x 10^7 cells leukocytes
- Processing time: 26 min

**Mammalian**
- (Human, Cow, Poultry, Dog, Cat)
- Expression analysis such as real-time PCR and RT-PCR

**Mouse / Rat**
- Expression analysis such as real-time PCR and RT-PCR

**Insects**
- Expression analysis such as real-time PCR and RT-PCR

**Plants**
- Expression analysis such as real-time PCR and RT-PCR

**Cell line**
- Expression analysis such as real-time PCR and RT-PCR
  - Northern blotting (cells cultured on 6 cm, 10 cm dish)
  - Microarray

**Fungi / Virus**
- The infected virus can be identified by real-time PCR and RT-PCR

**Numbers in the right column indicate the type of Application guide used.**
- Orange-colored numbers indicate isolation methods using the QuickGene series.
- Pink-colored numbers indicate isolation methods using the Spin Cartridge method.
- Where no numbers are indicated, please consult with your local contact person.

**Applicable tissues / cells**
- Liver, Brain, Lung, Kidney, Spleen, Thymus, Heart
- Small intestine, Esophagus, Lymphatic node, Large intestine, Stomach
- Chironomid, Mosquito
- Floating cell (HL60 etc.)
- Adherent cell (COS7, HeLa, HEK293, NIH/3T3)
- Cultured cell (6 cm, 10 cm dish)
- Cultured cell (6 cm, 10 cm dish)

**Sample types**
- Measles virus solution
- Influenza virus solution
- SARS-CoV-infected cells
- SIV-infected cells
- HIV-infected cells
- E.coli
- Norovirus
- HSV-infected cells
- RS virus solution
- Measles virus solution
- Influenza virus solution
- SARS-CoV-infected cells