Nucleic Acid Isolation Kit

QuickGene Kit

The QuickGene kit uses patented porous membrane.
It is only 80μm thick, thinner than the glass fiber membrane.
Because of the outstanding adsorptive and desorptive performances of the membrane, nucleic acids can be reliably isolated.

Nucleic Acid Isolation Consumables

QuickGene isolation kits

Appropriate kit selectable depending on sample type.

Isolation example		Purpose	Corresponding kits	Isolation system
Whole blood, buffy coat	Human/ Cow, etc.: Whole blood (EDTA blood, heparin blood)	DNA Isolation	DNA whole blood kit S/L	QuickGene-Mini8L QuickGene-Mini480 QuickGene-Auto240L
Tissue Materials, manufactured goods	Mouse/ Rat: Tail, Sperm, Liver Wheat/ Red bean/ Pleurotaceae/ Shimeji mushroom, etc.	DNA Isolation	DNA tissue kit S/L	QuickGene-Mini8L QuickGene-Mini480 QuickGene-Auto240L
Plasmid	*E. coli*	Plasmid Isolation	Plasmid kit S II	QuickGene-Mini480
Tissue	Mouse/ Rat: Liver, Kidney, Brain, Spleen, Lung, Heart, Thymus	RNA Isolation	RNA tissue kit S II	QuickGene-Mini480
Cultured cell Plants, *E. coli*	Adherent/ Non-adherent (HeLa, HL60, etc.) Dicotyledonous plant (leaf)/ Tobacco (leaf), Plants	RNA Isolation	RNA cultured cell kit S	QuickGene-Mini480
Cultured cell	Cultured cells on 6cm/ 10cm dish	RNA Isolation	RNA cultured cell HC kit S	QuickGene-Mini480
Blood cell	Leukocytes separated by ammonium chloride Erythrocytes of whole blood or Ficoll fraction	RNA Isolation	RNA blood cell kit S	QuickGene-Mini480

*This chart shows isolation examples. Protocol may vary depending on samples and sample conditions.

QuickGene Auto240L Consumables Kits	48 prep	240L-CK	QuickGene-Auto240L

*Research Use Only
*Design and specifications are subject to change without notice.
*For detailed information on the use of the isolation kits please refer to our website.

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Nucleic Acid Isolation Systems

QuickGene Total Guide

QuickGene - Mini480
High-throughput Compact Nucleic Acid Isolation System

QuickGene - Mini8L
Large Volume Compact Nucleic Acid Isolation System

QuickGene - Auto240L
Fully Automated Nucleic Acid Isolation System

QuickGene

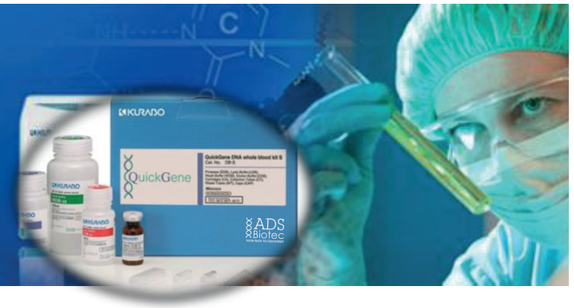
Nucleic acid isolation systems

QuickGene series

The "QuickGene" series uses revolutionary porous membrane to isolate DNR/RNA with high quality and high yield at low pressure.

Nucleic Acids can be easily isolated from various samples including whole blood/tissue/cells/plants/virus and others.

QuickGene supports your basic research to medicine, food, agriculture and forensic criminal investigations.



Nucleic Acid Isolation Systems

QuickGene - Mini480

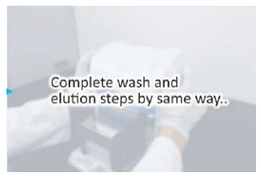
1 Apply Lysate

2 Set pressure seal plate

3 Set (Waste tube/cartridge) holder

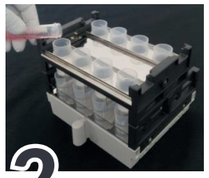
4 Turn Rotary Switch to pressurize the first Row

5 Row by row pressurizing



QuickGene - Mini8L

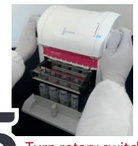
1 Pre-treat sample



2 Apply lysate

3 Set pressure seal plate

4 Set (tube/cartridge) holder

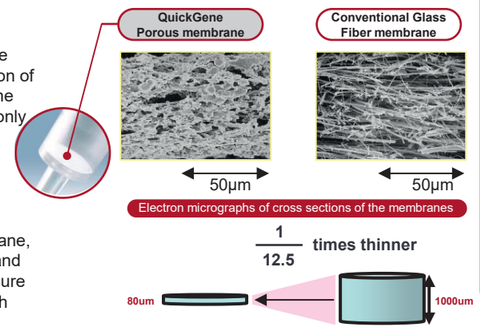


5 Turn rotary switch to pressurize the first row

6 Pressurize next row
Complete wash and elution steps in the same way.

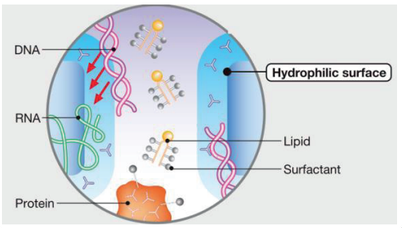
DNA and RNA isolation with a revolutionary 80μm membrane film

The nucleic acid adsorptive medium used in QuickGene series is a porous membrane developed through application of advanced polymer membrane production technology. It is only 80μm thick, making it incomparably thinner than conventional glass fibers. Because of the outstanding adsorptive and desorptive performances of the membrane, nucleic acid can be rapidly and reliably isolated at low pressure without being damage, which realizes high-quality nucleic acids isolation.

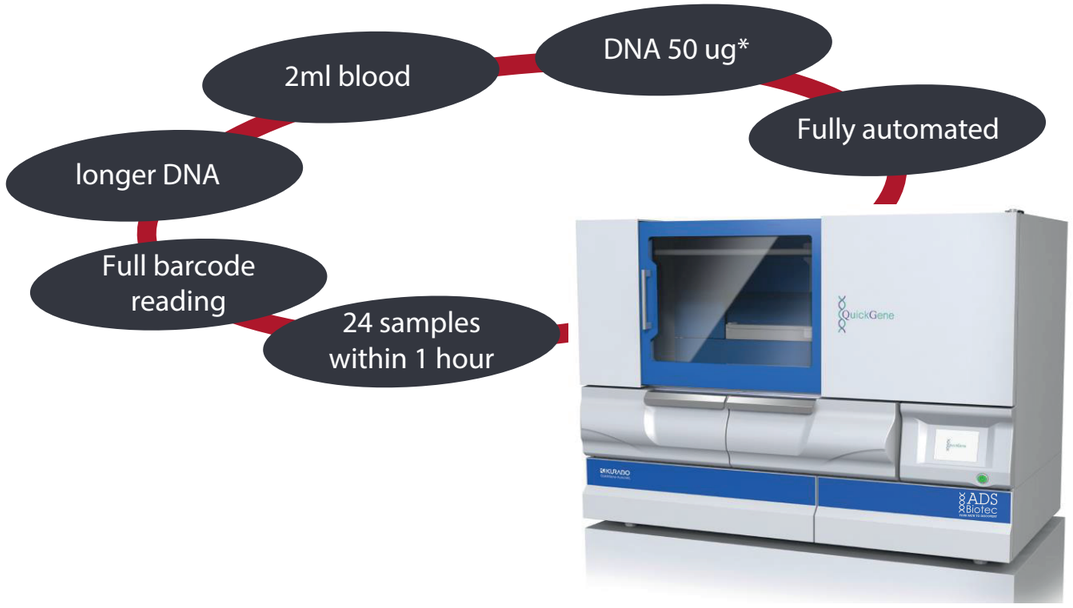


Adsorption of nucleic acids

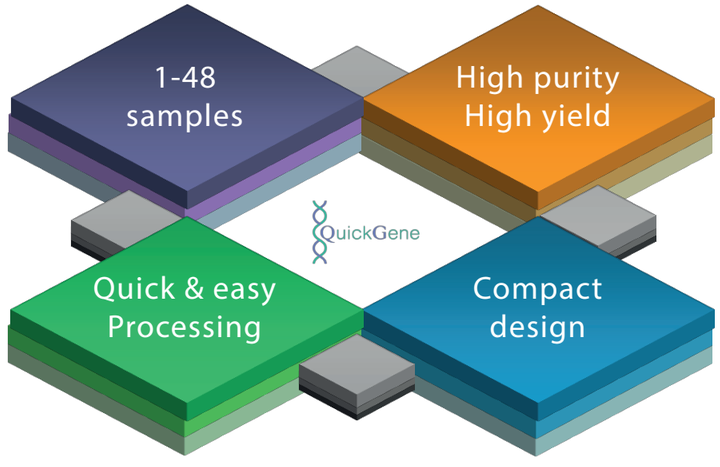
Owing to their hydrophilic properties, nucleic acids get adsorbed onto the membrane, while protein and lipids, which are comparatively hydrophobic, tend to seep out of the membrane.



QuickGene - Auto240L



High-throughput compact DNA & RNA isolation system



Fully automated for large whole blood DNA extraction