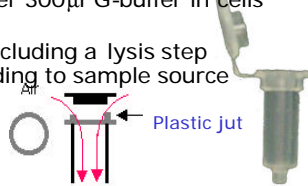


G-spin™ For Cell/Tissue Genomic DNA Extraction Kit

For isolation of genomic DNA from animal tissues and cells
CAT. 17041 (50 col.) 17043 (250 col.)

Format : Spin column with 2ml collection tubes
Sample source: Animal tissues and cells
Sample size: 20-40mg per 600µl G-buffer in tissues
1-3x10⁶ cells per 300µl G-buffer in cells
Throughput: 1-24 samples
Prep. time: <20 minutes including a lysis step
Typical yield: 18-50µg according to sample source
Elution volume: 50-400µl



The G-spin™ For Cell/Tissue Kit provides rapid isolation of genomic DNA from a wide range of cells or tissues. For convenience, cells are directly lysed with G-buffer. Genomic DNA is purified in as little as 20 minutes including a lysis step.

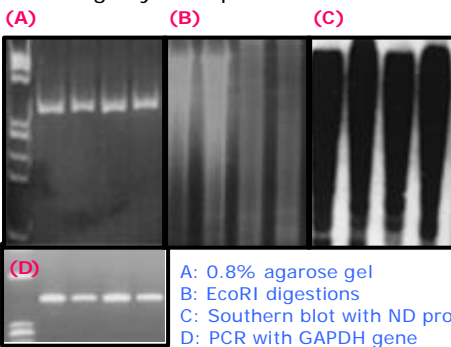


Fig. G-spin™ Kit

Genomic DNA was isolated from CT26, YAC1, spleen, or liver, respectively. Then, the following steps were performed.

A: 0.8% agarose gel
B: EcoRI digestions
C: Southern blot with ND probe
D: PCR with GAPDH gene

G-spin™ For Blood Genomic DNA Extraction Kit

For isolation of genomic DNA from bloods
CAT. 17111 (50 col.) 17113 (250 col.)

The G-spin™ For Blood Kit is designed for rapid, small scale isolation of genomic DNA from 1µl to 300µl of blood. This Blood Kit uses centrifugation-based purification procedures. G-spin™ For Blood Kit yields sized from 200 bp to 50Kb depending on the age and storage of samples. The protocol yields 4-16µg genomic DNA from 300µl of fresh mouse or human blood within 30 minutes.

Format : Spin column with 2ml collection tubes
Sample source: Blood
Sample size: 1µl to 300µl bloods
Throughput: 1-24 samples
Prep. time: <30 minutes including a lysis step
Typical yield: 6-18µg according to sample source
Elution volume: 50-200µl

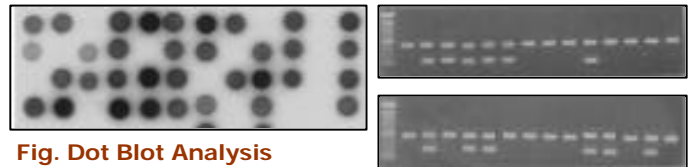


Fig. Dot Blot Analysis

Genomic DNAs were purified from blood samples using G-spin™ Kit. Then, Dot blot analysis was performed.

Fig. PCR Amplification

Genomic DNAs were purified from blood samples. Then, PCR analysis was performed with TB specific gene.

G-spin™ For Bacteria Genomic DNA Extraction Kit

For isolation of genomic DNA from Gram(+) or Gram (-)
CAT. 17121 (50 col.) 17123 (250 col.)

The G-spin™ For Bacteria Kit is designed for rapid and convenient isolation of genomic DNA from Gram(+) or Gram (-) bacteria.

Format : Spin column with 2ml collection tubes
Sample source: Gram (+) or Gram (-) bacteria
Sample size: 1ml (OD₆₀₀: 0.8-1.0) per 300µl G-buffer
Throughput: 1-24 samples
Prep. time: <40 minutes including a lysis step
Typical yield: 7-18µg according to sample source
Elution volume: 50-200µl

[Also included in this kit: Proteinase K, RNase, Lysozyme]

M 1 2 3 4 5

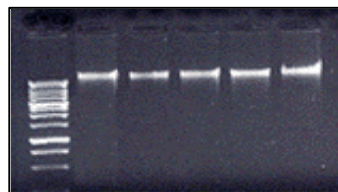


Fig. Analysis of gDNA

Genomic DNAs were isolated from various indicated sample sources. Then, 2µl out of 200µl of eluents were loaded.

Lane 1: *E. coli*, Lane 2: *S. pullorum*, Lane 3: *Lactobacillus aureus*, Lane 4: *Micrococcus*, Lane 5: *Corynebacterium* sp.

The restriction enzyme digestion was performed with *EcoRI* in upper samples.

**THE COMPANY
which you DESIRED**

G-DEX™ Genomic DNA Extraction Kit

For isolation of genomic DNA (Solution Type)

For cell/tissue

CAT. 17021 (100 Rxn.)
CAT. 17022 (200 Rxn.)



For blood

CAT. 17031 (100 Rxn.)
CAT. 17032 (200 Rxn.)



Species/Material	Amount	DNA Yield
K562 (human)	2 x 10 ⁶	30 µg
SNU601 (human)	2-3 x 10 ⁶	15-20 µg
YAC1 (mouse)	2-3 x 10 ⁶	30-40 µg
B16 (mouse)	2-3 x 10 ⁶	40-50 µg
<i>E. coli</i>	1 ml	16-22 µg
Spleen (mouse)	5-10 mg	15-20 µg
Kidney (mouse)	10 mg	30-40 µg
Plant	20 mg	40-50 µg
Human blood	300 µl	7-16 µg
Mouse blood	300 µl	4-7 µg