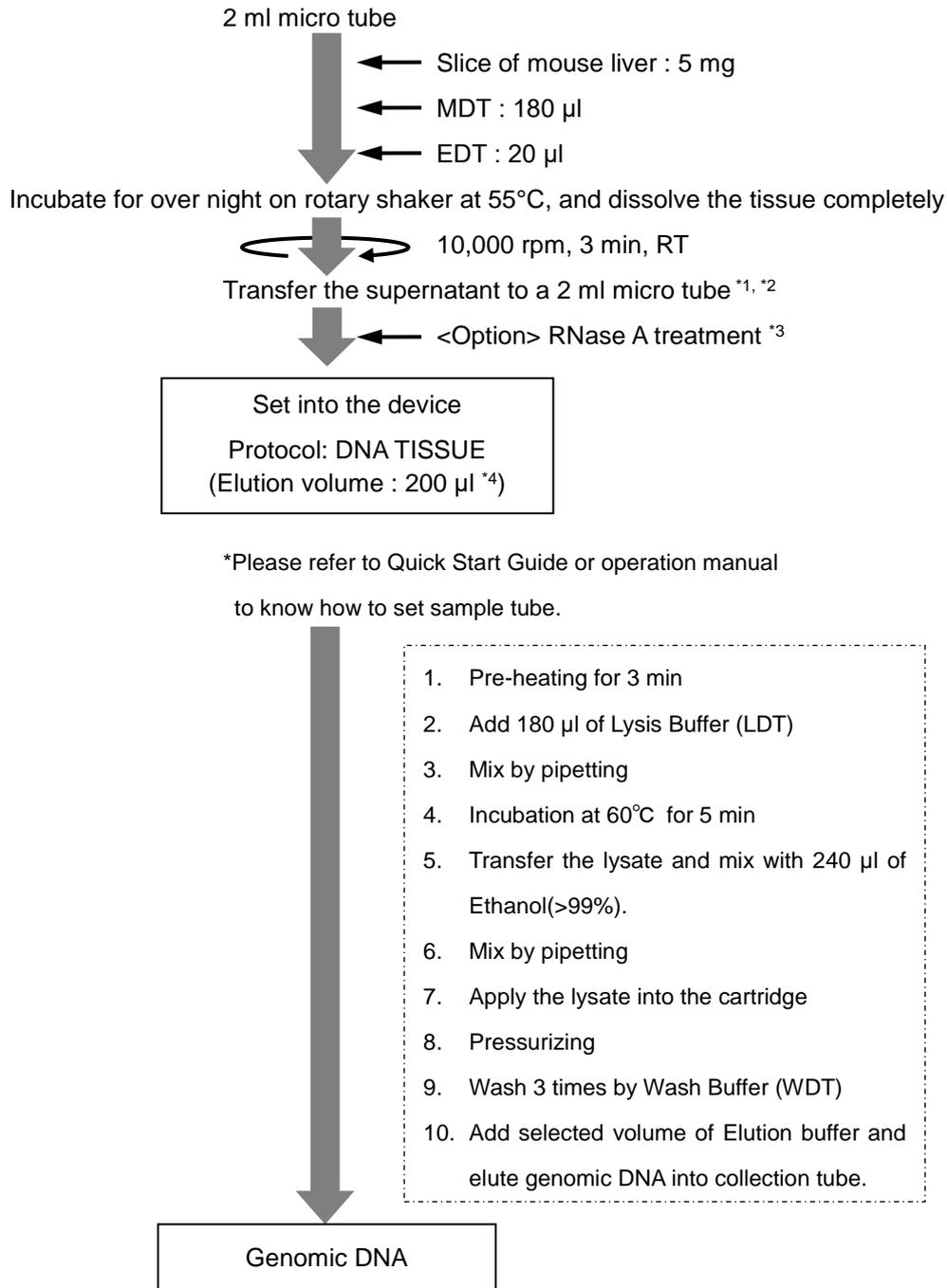


DA-b-8

Automated Genomic DNA Extraction from Liver of Mouse

Protocol



*1 Following microtube are recommended.
#BM4020
(BM instrument co., ltd)
#72.695.700,
#72.695.500S
(SARSTEDT)

*2 Remove unlysed portions by centrifugation.

*3 Optional steps
RNaseA : 20 μ l
Tap the tube to mix the solution.
Flash spin down.
Set it down at room temperature for 2 min.

*4 For example, from 5 mg liver tissue of Balb/c mouse (7 week, ♀), 4.0 μ g genomic DNA can be gained.
The default volume of CDT is 200 μ l. The volume of CDT can be reduced to 50 μ l, but in that case, elution efficiency might be decreased.

Results

The yield of genomic DNA

Sample ID	#1	#2	#3	#4	Average	S.D.
Yield (μg)	7.1	6.9	9.3	8.1	7.9	1.01

Protein contamination : A260/280

Sample ID	#1	#2	#3	#4	Average
A260/280	1.92	1.90	1.92	1.99	1.93

Chaotropic salt contamination : A260/230

Sample ID	#1	#2	#3	#4	Average
A260/230	2.17	2.02	2.08	2.20	2.12

Common protocol is usable for the following

Mouse Lung, Mouse Kidney