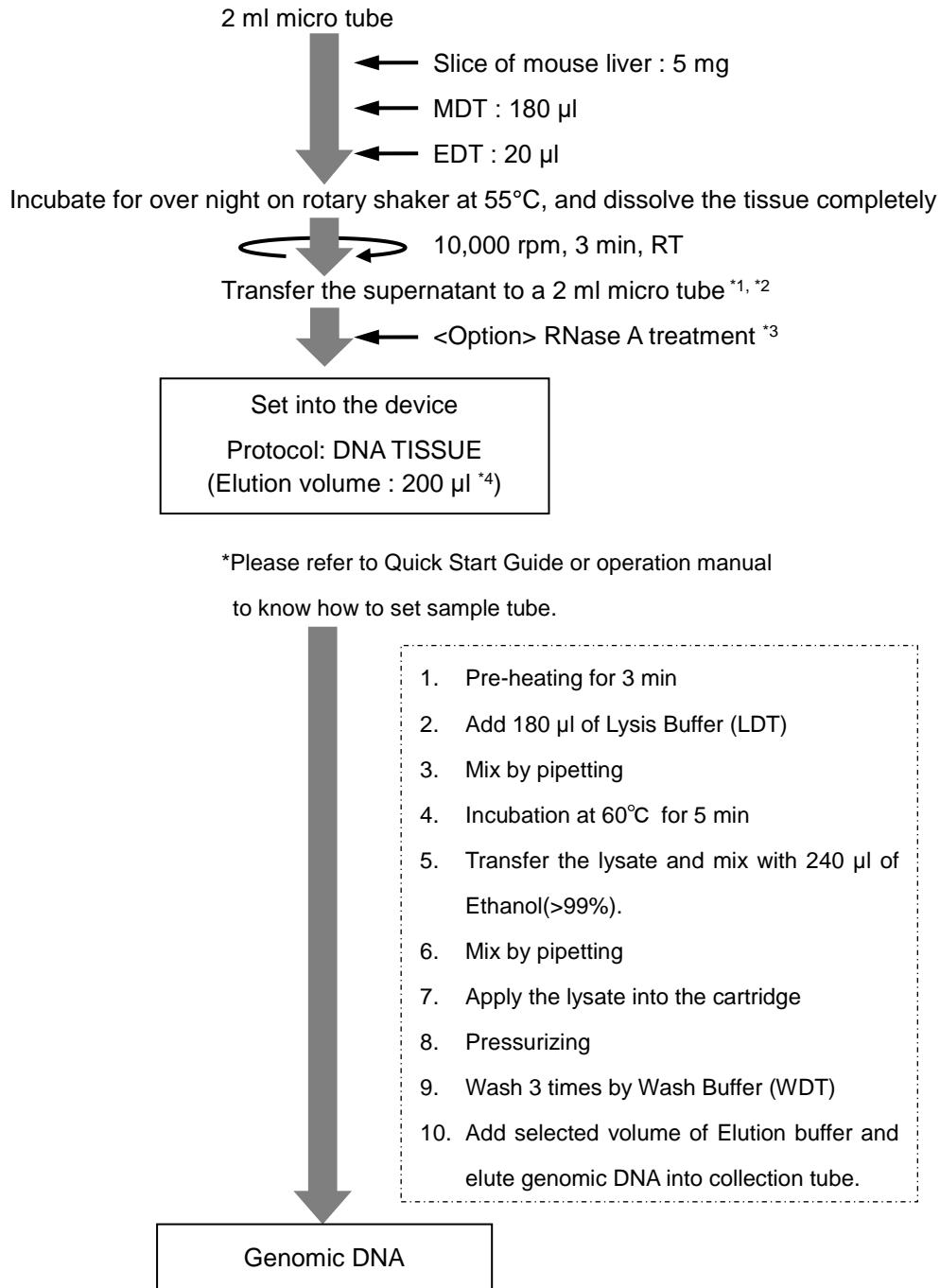


DA-b-8

## Automated Genomic DNA Extraction from Liver of Mouse

### Protocol



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

<sup>\*2</sup> Remove unlysed portions by centrifugation.

<sup>\*3</sup> Optional steps  
RNaseA : 20 µl  
Tap the tube to mix the solution.  
Flash spin down.  
Set it down at room temperature for 2 min.

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

## Results

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### 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

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Mouse Lung, Mouse Kidney