

DA-c-11

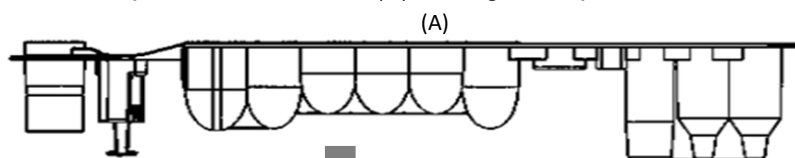


## Automated\_gDNA Extraction from FFPE Samples

### Protocol

Make several FFPE flakes\*<sup>1</sup> and place them in a 2 mL tube\*<sup>2</sup>.

Add 40μl of EDT\*<sup>3</sup> into well (A) of reagent strips.



Add 5 drops (approx. 300μL) of Deparaffinization Reagent (DDF) to the sample.

Vortex (Max speed): 15 sec.

Flash spin down\*<sup>4</sup>

Set into the device  
Protocol: DNA FFPE  
(Elution volume : 100 μl\*<sup>5</sup>)

\*Please refer to Quick Start Guide or manual to know the way to set the sample tube.

1. Add 270μL MDF (including EDF)
2. Mixing
3. Incubation at 65°C for 30min.
4. Incubation at 90°C for 45min.
5. Transfer low layer of sample, and mix with 230μL of LDF
6. Mixing
7. Mix with 240μL of ethanol (>99%)
8. Mixing (Lysate completed)
9. Apply lysate into cartridge
10. Pressurizing
11. Washing 3 times with Wash Buffer (WDF)
12. Add elution buffer (CDF) and collect genomic DNA to collection tube

gDNA

\*<sup>1</sup>  
Available sample volume  
5μm thick...1~10 slices  
10μm thick...1~5 slices  
Surface area: max. 250mm<sup>2</sup>

\*<sup>2</sup>  
Recommended microtube  
#BM4020  
(BM instrument co., Ltd)  
#72.695.700 (SARSTEDT)  
#72.695.500S (SARSTEDT)

\*<sup>3</sup>  
Use a micro pipettor to pierce the aluminum packaging with the tip and fill the reagent

\*<sup>4</sup>  
Spin down with 12,000 rpm

\*<sup>5</sup> Recommended elution volume is 100μl

Depending on sample and storage conditions, nucleic acid may not be extractable. Therefore, we cannot guarantee accurate data.

The extracted nucleic acid contains unintended acid (ex: when extracting DNA, RNA is also extracted).

## Result

Genomic DNA was extracted from FFPE samples (10µm thick, 3 slices) of fetal mouse (18.5days) by using QuickGene-Auto12S

### Yield of gDNA (Qubit)

Sample		#1	#2	#3
Yield (µg)	QuickGene	16.7	13.8	13.0
	KIT A	11.8	11.2	8.0

### Protein Contamination : A260/280

Sample		#1	#2	#3
A260/280	QuickGene	1.97	1.98	1.98
	KIT A	2.01	2.02	2.01

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