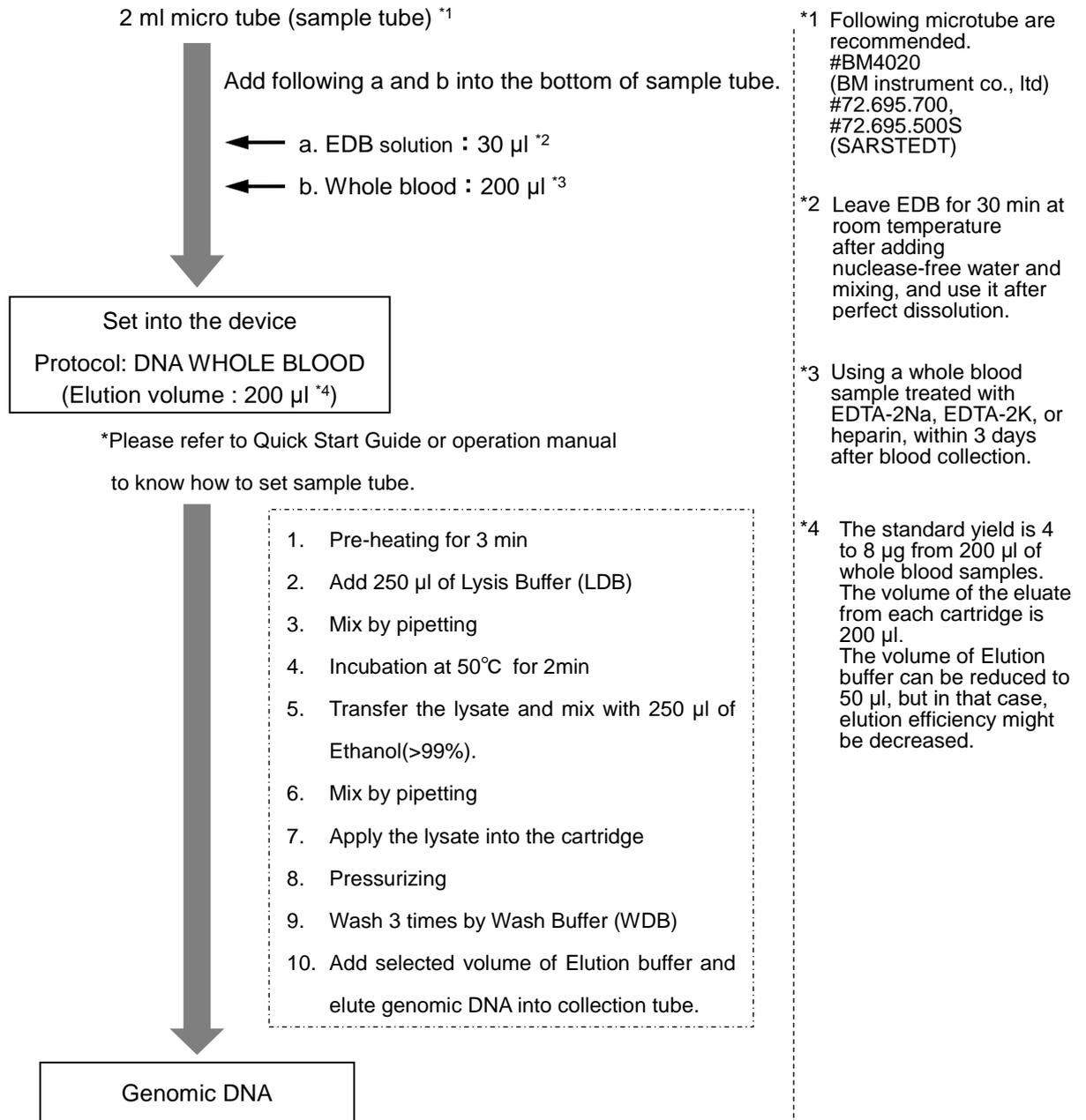


**DA-a-6**

# Automated Genomic DNA Extraction from Whole Blood of Human

## Protocol



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

<sup>\*2</sup> Leave EDB for 30 min at room temperature after adding nuclease-free water and mixing, and use it after perfect dissolution.

<sup>\*3</sup> Using a whole blood sample treated with EDTA-2Na, EDTA-2K, or heparin, within 3 days after blood collection.

<sup>\*4</sup> The standard yield is 4 to 8 µg from 200 µl of whole blood samples. The volume of the eluate from each cartridge is 200 µl. The volume of Elution buffer 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 ( $\mu\text{g}$ )	5.6	5.4	5.6	5.5	5.5	0.10

### Protein contamination : A260/280

Sample ID	#1	#2	#3	#4	Average
A260/280	1.94	2.13	2.04	2.10	2.05

### Chaotropic salt contamination : A260/230

Sample ID	#1	#2	#3	#4	Average
A260/230	1.79	2.07	1.89	1.99	1.93

## Common protocol is usable for the following

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Canine Whole Blood