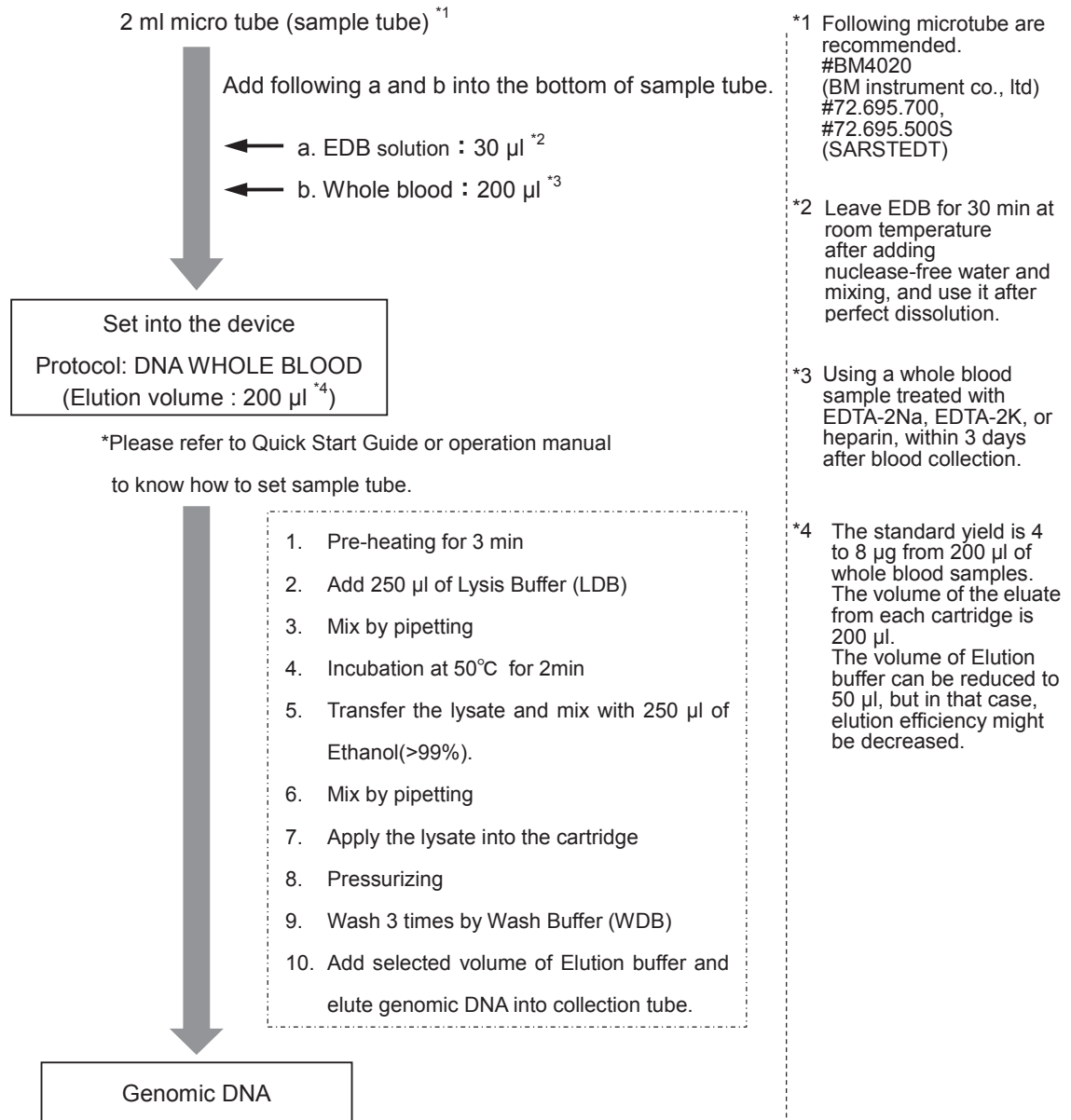


Automated Genomic DNA Extraction from Human Whole Blood

Protocol



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

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

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

*4 The standard yield is 4 to 8 μ g from 200 μ l of whole blood samples. The volume of the eluate from each cartridge is 200 μ l. The volume of Elution buffer 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
Yield (µg)	5.6	5.4	5.6	5.5	5.5

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

Canine Whole Blood

Contact Information

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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).