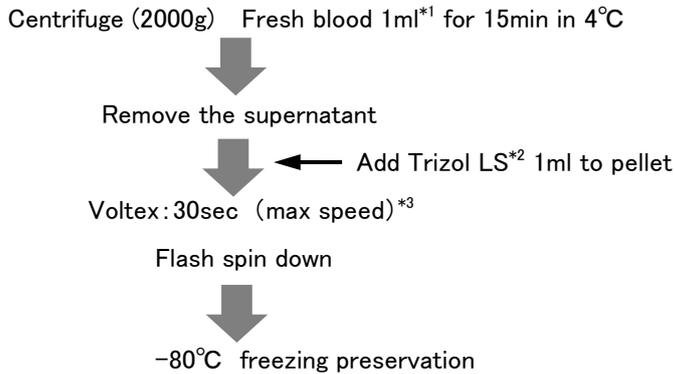


RA-a-2d

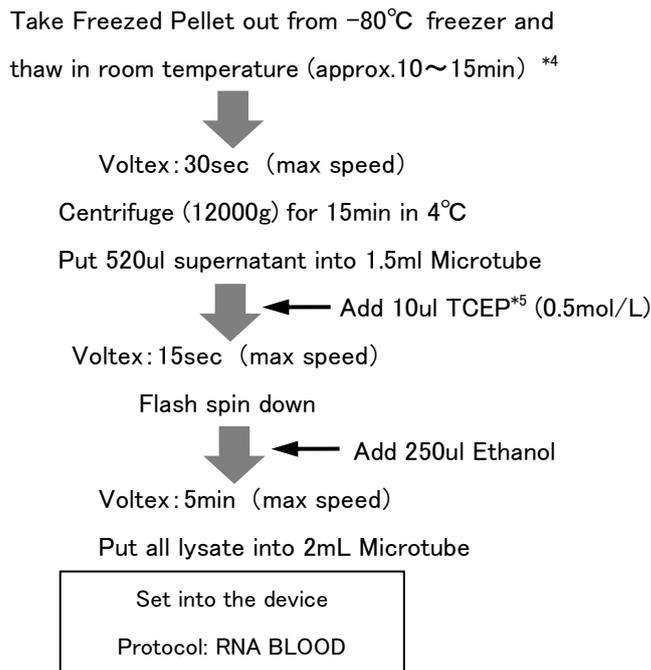
Automated Total RNA Extraction from Frozen Blood pretreated with Trizol LS and TCEP

Protocol

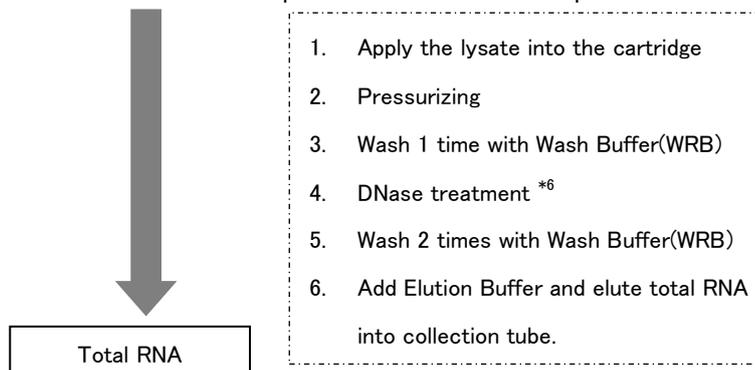
1. Trizol pretreatment, sample freezing



2. RNA extraction from frozen pellet



Please refer to Quick Start Guide or operation manual to set sample tube.



*1. Be sure to use 1ml fresh blood.

*2. Recommended products:
Life Technology ambion®
Product name:
TRizol® LS Reagent
REF: 10296010

*3. Make sure the sample and TRizol® LS Reagent are mixed well.

*4. Proceed to extraction immediately after thawing.

*5. Recommended products:
FUJIFILM Wako Pure
Chemical Corporation
Product name:
0.5mol/L TCEP Solution
REF: 207-20151

*6. Recommended DNase:
Promega
RQ1 RNase-Free DNase
REF : M6101

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

Use QuickGene-Auto12S to extract total RNA.

Yield of Total RNA

Sample ID	#1	#2	#3	Average
Yield (µg)	4.6	4.9	4.7	4.7

Protein Contamination : A260/280

Sample ID	#1	#2	#3	Average
A260/280	1.96	1.96	1.99	1.97

RNA Quality : RIN

Sample ID	#1	#2	#3	Average
RIN	8.9	8.9	9.9	9.2