

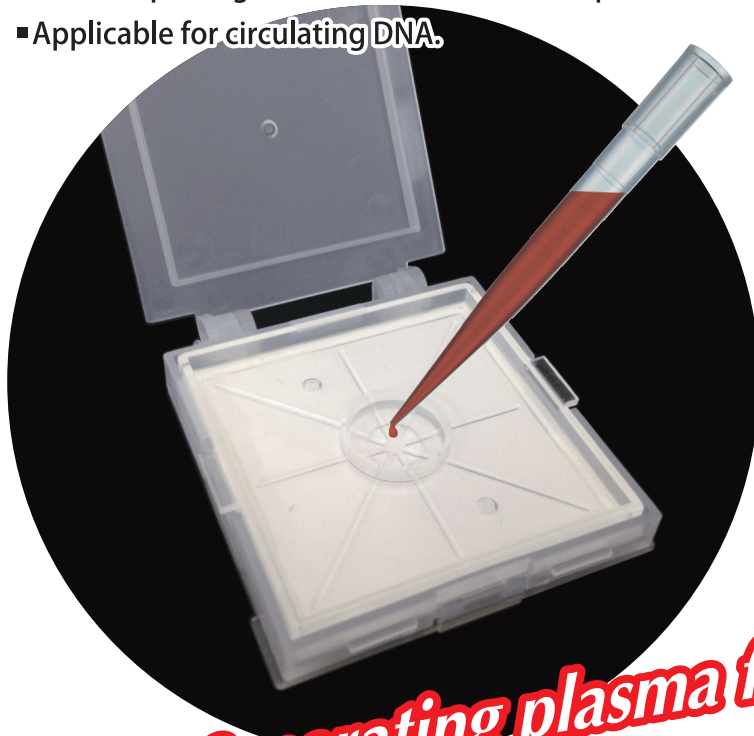
For recovery of microRNA.

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Plasma Separation Device

Plasma Filter

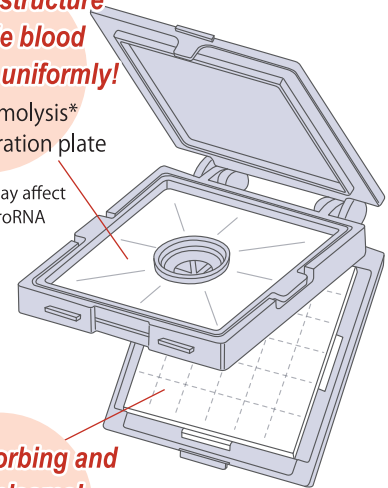
- For simple screening of cancer examination by microRNA.
- For transporting microRNA with room temperature.
- Applicable for circulating DNA.



A special slit structure allows whole blood to be diffused uniformly!

Reducing hemolysis* by plasma separation plate

*The hemolysis may affect the result of microRNA profile



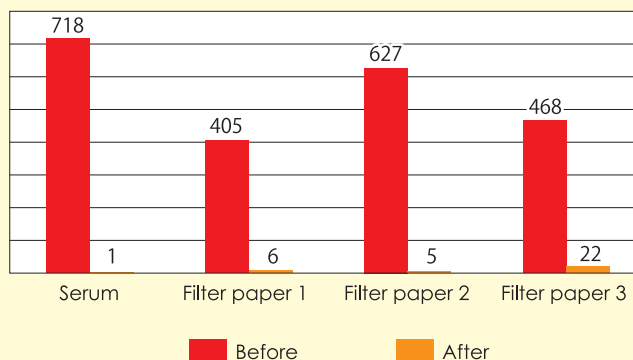
Quick absorbing and drying plasma!

Perforated cellulose membrane for easy-to-use

Separating plasma from whole blood quickly without centrifuge.

For Quick cancer diagnosis

The study of microRNA preservation on cancer patients before/after medical treatment

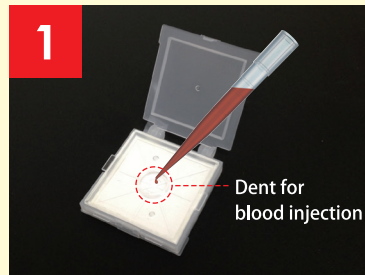


The graph shows the tumor-specific microRNA expression, which measured by $\Delta\Delta$ CT method. The serum value after medical treatment is set as 1. The expression of microRNA which value was high before treatment decreased after. The same result was observed by the serum in the cellulose membrane of Plasma Filter.

PROTOCOL

Separating plasma from whole blood

Open the lid with 1 claw side



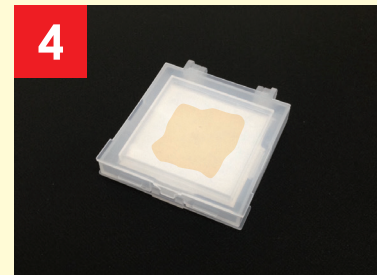
Open the lid and add 600 μ L blood into the central rounded dent.*1



Blood spreads, leave it for about 5 minutes.



Remove the plasma separation plate, dry the separated plasma for about 1 hour on the cellulose membrane.



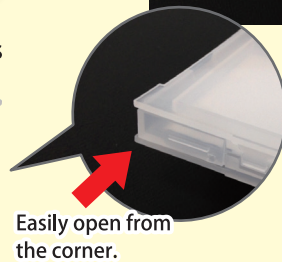
Sufficiently dried plasma is reservable*2 and transportable with the lid covered.

*1 Assuming that 600 μ L whole blood is available, it is possible to recover microRNA which quantity is equivalent of microRNA in 200 μ L plasma.

*2 The storage period is approximately 1 to 2 weeks at room temperature depending on setting conditions.

Recovery microRNA from the ingredients

Open the lid of 2 claws



By opening the lid from 2 claws side, the cellulose membrane containing plasma is easily taken off. Cut the filter in any size along the perforation. microRNA can be extracted from the cellulose membrane by the specified elution kit.*3

*3 If applying extraction liquid slightly extra, the microRNA extraction from cellulose membrane may become improved.

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*The specification and the price etc. of the product might change without a previous notice.