



Removal

For removal of Leukocytes

You can remove Leukocytes only by filtering!

Easy-to-Use Column Type

Just Fit to 50ml Centrifuge Tubes

※There are some centrifuge tubes that do not fit.

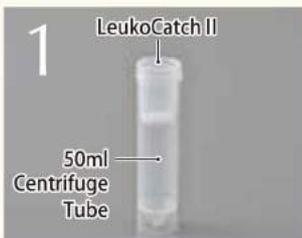
LeukoCatch® II



Leukofilter

Cat. No.	Item	Packaging
1883-110LC	LeukoCatch II Column Type	5pcs.

PROTOCOL



Set Leuko Catch II on a centrifuge tube.

*approx. 50ml centrifuge tube is recommended.



Dispense a blood sample.

<Recommendation>
Whole blood 5ml + PBS 5ml
Total 10ml



Filtering starts with natural dropping force.

Filtering time is approx. 10min.



Leuko Filter traps leukocytes. Consequently, leukocytes are almost removed from the filtrate.

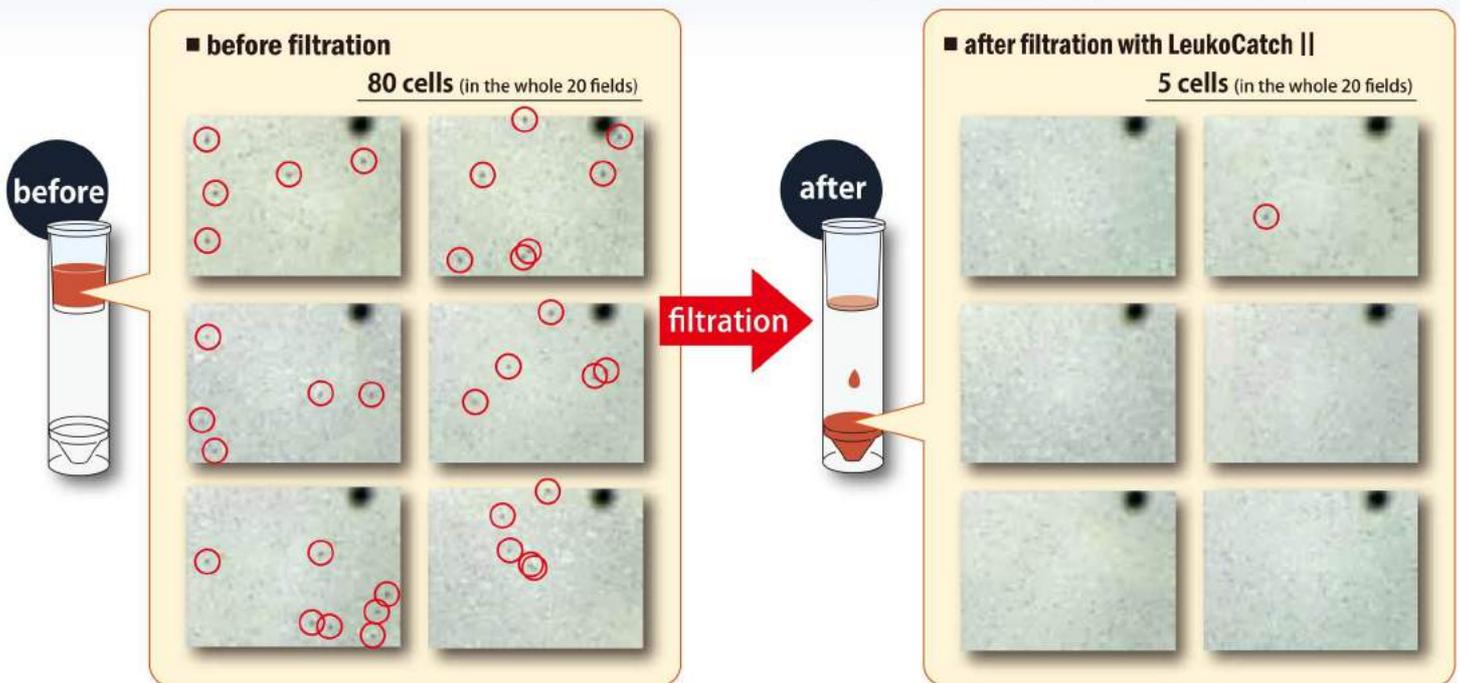
You can remove Leukocytes only by filtering, no centrifuge is necessary!

Leuko filter traps and removes leukocytes specifically from a whole blood.

The leukocyte count after filtration by LeukoCatch II

6 out of 20 fields randomly obtained from the microscopic observation of a mouse blood.

*Data provider: Mie University, Faculty of Medicine, The Laboratory of Medical Zoology



LeukoCatch II Q&A

Q. Is it possible to use a whole blood as it is without dilution?

A. It is possible but filtration time is much longer. Also it causes clog on the porous filter much quicker, thus operation efficiency may drop. It is suggested that a whole blood be diluted 2-3 fold with PBS.

Q. Is it possible to collect leukocytes with LeukoCatch II?

A. A protocol for that purpose has not been established at this moment and it is under development.

Q. Is it possible to use a animal blood?

A. A blood from different animals may cause difference in the results. Please try with a sample product first. Our in-house evaluation is conducted with human and mouse bloods.

Q. Is there any tendency in the efficiency of leukocyte removal due to the types or sizes of a leukocyte?

A. Basically, the types or sizes do not affect the efficiency and uniform results can be obtained. There is not a case where, for example, only lymphocyte are left unremoved.

Note: As cited from an article in *Advances in Bioscience and Biotechnology*, 2012.

"Nevertheless, these leukocyte separation procedures require laboratory-based professional and time-consuming procedures using instrumentation that is not routinely available at the bedside or in a common clinical facility. Moreover, their protocols are too complex to apply to an automated machine to treat hundreds of samples simultaneously."

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