Triglyceride-lowering effect

Effect of Lactobacilli metabolites on the blood triglyceride level in db/db mice

1) Materials and methods

Tested sample: Lactobacilli metabolites complex I (=Lmc I ; Original mixture of the fermented Lactobacilli culture)

Animals: db/db mice (Type II diabetic model mice)

Methods: Lmc I was given once a day for 10 weeks by oral administration at 10 mL/kg. Blood triglyceride and glucose levels were determined every weeks for each mouse.

2) Results

Figure 5 shows the blood triglyceride levels in the normal and db/db diabetic mice. It is indicated that Lmc I administration may lower blood triglyceride dependently with the term of its administration.

3) Conclusion

It is shown that Lactobacilli metabolites may lower blood triglyceride as well as blood glucose in db/db mice, Type II diabetic model mice.

4) Organization which performed the test Tanabe R $ D Service Co., Ltd. (Tokyo, Japan)

Changes in the blood triglyceride levels