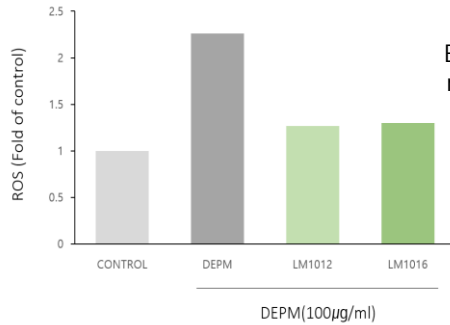


Functional Probiotics for preventing from Inflammation and Metabolic Diseases

Lactobacillus fermentum LM1016/*Streptococcus thermophilus* LM1012

In-vitro

Decrease of Oxidative stress

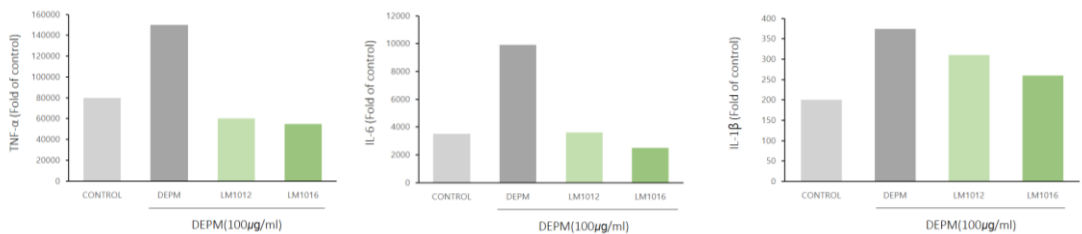


Effects of LM1016 and LM1012 on diesel exhaust particulate matter(DEPM)-induced cellular ROS production.

Reactive Oxygen Species (ROS)

A type of unstable molecule that contains oxygen and that easily reacts with other molecules in a cell. A build up of reactive oxygen species in cells may cause damage to DNA, RNA, and proteins, and may cause cell death.

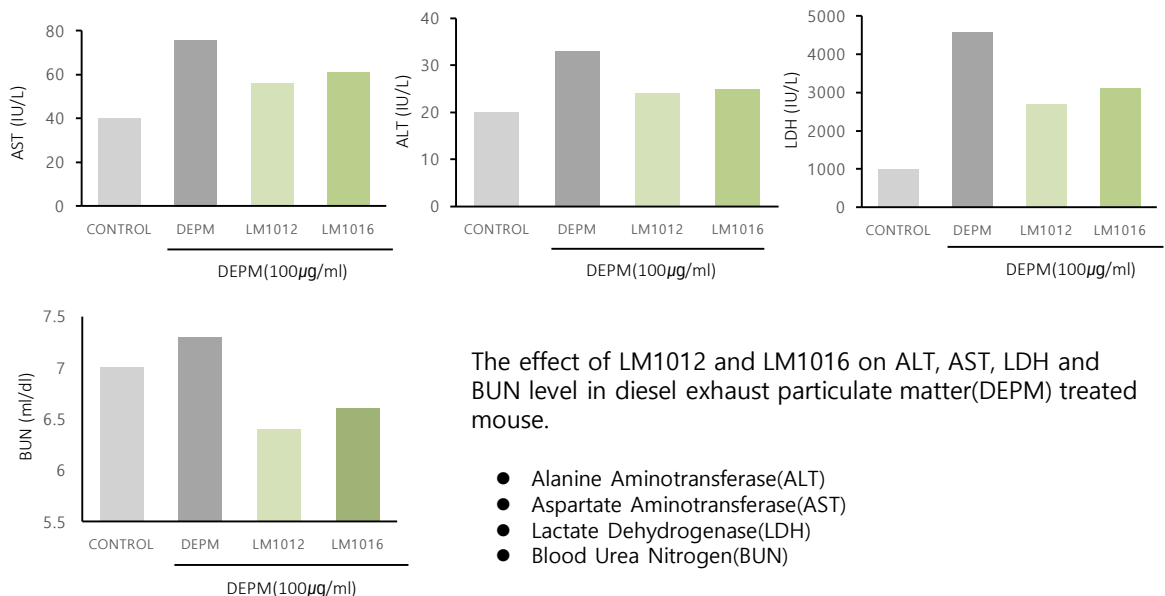
Decrease of production of inflammatory cytokines



Effects of LM1012 and LM1016 on inflammatory cytokine levels in diesel exhaust particulate matter(DEPM) treated mouse splenocyte.

In-vivo

Effect of LM1012 and LM1016 on ALT, AST, LDH and BUN



The effect of LM1012 and LM1016 on ALT, AST, LDH and BUN level in diesel exhaust particulate matter(DEPM) treated mouse.

- Alanine Aminotransferase(ALT)
- Aspartate Aminotransferase(AST)
- Lactate Dehydrogenase(LDH)
- Blood Urea Nitrogen(BUN)