Tohoku Univ. Technology

Intestinal bacteria that reduce uremic substances

Intestinal bacteria that reduce *p*-cresyl sulfate

Overview

Previous studies have shown that several uremic substances, which cause exacerbation of diabetic nephropathy, are produced by intestinal bacteria. On the other hand, identification of intestinal bacterial species involved in the production of uremic substances has been difficult due to confounding factors such as renal function. The inventors identified intestinal bacteria involved in the reduction of uremic substances by analyzing them without confounding factors of renal function.

The present invention relates to an agent for inhibiting the production of uremic toxins and a functional food containing these bacteria. Sesamol has also been proposed as a functional ingredient for reducing uremic substances by Professor Abe et al., one of the present inventors.

(Uremic substance reducing agent containing sesame lignan (t-technoarch.co.jp)

It is expected that the bacteria of the present invention will not be used as a single agent but will be commercialized aiming at a synergistic effect by combining with the above functional ingredients.

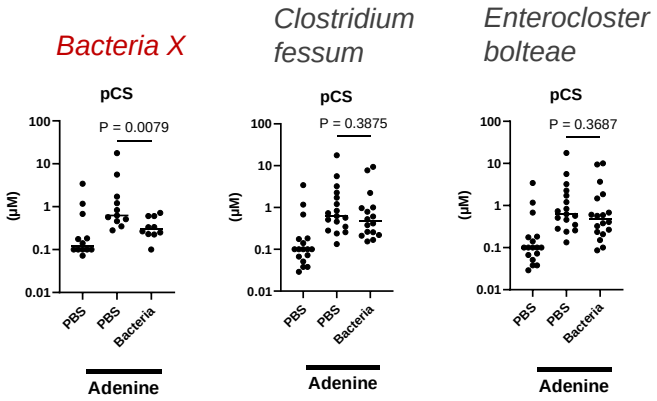
Product Application

- ☐ Prophylactic or therapeutic agent for chronic kidney disease
- ☐ Health food and food for specified health use intended for kidney care

IP Data

IP No.	:	JP2024-055022
Inventor	:	ABE Takaaki, TOYOHARA Takafumi, WATANABE Shun, KUJIRAI Ryota
Admin No.	:	T22-046

Results of Oral Administration of Three Bacteria to Renal Failure Mice



Blood *p*-CS decreased in mice treated with *Bacteria X*.

*As the patent has not been disclosed, please contact us individually for details.

Related Works

[1] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Contact

Tohoku Techno Arch Co., Ltd.
Please visit CONTACT here