Lactobacillus rhamnosus HN001 and DR20 refer to the same strain. HN001 has been referred to as HOWARU Rhamnosus, HOWARU L. rhamnosus and HOWARU Rhamnosus DR20.

**In vitro trials**

**Probiotic selection, survival, stability, production**


**Safety**


**Antipathogenic/antitoxic activity**


**Also listed under Adherence**

**Prebiotic utilization**


Adherence


Intestinal permeability


Genomics


Protein identification


Oral health


Animal trials

Safety


Synbiotic

**Immune system modulation/enhancement**


   Also listed under In vitro/Adherence and animal trials/Immune system modulation


   Also listed under Antipathogenic activity


**Antipathogenic activity**


   Also listed under In vitro/Adherence and animal trials/Immune system modulation


   Also listed under Immune system modulation/enhancement


**Allergy**


**Diabetes**


**Mineral absorption and bone health**


**Host gene expression**


   [Supplementary material included]

**Necrotizing enterocolitis**

**Human clinical studies**

**Safety**


**Immune system enhancement**


*Also listed under Gastrointestinal ecology*


**Allergy treatment**


**Gastrointestinal ecology**


*Also listed under Gastrointestinal ecology*


**Synbiotic**


**Women’s health**


**Depression and anxiety**


**Product functionality**

1. Tan JSH, Yeo C-R, Popovich DG. 2017. Fermentation of protopanaxadiol type ginsenosides (PD) with probiotic *Bifidobacterium lactis* and *Lactobacillus rhamnosus*. Applied Microbiology and Biotechnology 6 May, Pages 1-11.


Reviews


