



Investigations of Bifidobacterium longum BB536

1. Clinical Study (Human Study)

(1) Effects on the gastrointestinal condition, constipation, diarrhea, intestinal environment.

Ref. No.	Title	Author	Publication	Country
1	Effect of <i>Bifidobacterium longum</i> BB536 administration on the intestinal environment, defecation frequency and fecal characteristics of human volunteers	Ogata T, et al.	<i>Bioscience Microflora</i> 16, 53-58 (1997)	Japan
2	Effect of yogurt containing <i>Bifidobacterium longum</i> BB536 on the intestinal environment, fecal characteristics and defecation frequency: A comparison with standard yogurt	Yaeshima T, et al.	<i>Bioscience Microflora</i> 16, 73-77 (1997)	Japan
3	Effect of <i>Bifidobacterium longum</i> BB536 yogurt administration on the intestinal environment of healthy adults	Ogata T, et al.	<i>Microbial Ecology in Health and Disease</i> 11, 41-46 (1999)	Japan
4	The effect of <i>Bifidobacterium</i> cultured milk on the "Regularity" among on aged group	Seki M, et al.	<i>Journal of Japanese Society of Nutrition and Food Science</i> 31, 379-387 (1978)	Japan
5	Effects of <i>Bifidobacterium</i> fermented milks on human intestinal flora	Ballongue J, et al.	<i>Lait</i> 73, 249-256 (1993)	France
7	Comparative study on oral administrations of some <i>Bifidobacterium</i> preparations	Kageyama T, et al.	<i>Medicine and Biology</i> 115, 65-68 (1987)	Japan
8	Variation in small groups of constant intestinal flora during administration of anticancer or immunosuppressive drugs	Tomoda T, et al.	<i>Medicine and Biology</i> 103, 45-49 (1981)	Japan
9	Effect of administration of yogurt containing <i>Bifidobacterium</i> in healthy persons	Tomoda T, et al.	<i>Bifidus</i> 4, 21-24 (1990)	Japan
10	Effect of yogurt and yogurt supplemented with <i>Bifidobacterium</i> and/or lactulose in healthy persons : A comparative study	Tomoda T, et al.	<i>Bifidobacteria Microflora</i> 10, 123-130 (1991)	Japan
11	Experience in dosing obstetrical and gynecological inpatients with <i>Bifidobacterium</i> -containing yogurt "La Sante"	Ebisawa E, et al.	<i>Clinical Nutrition</i> 66, 805-810 (1995)	Japan
14	Yogurt with <i>Bifidobacterium longum</i> reduces erythromycin-induced gastrointestinal effects	Colombel JF, et al.	<i>The Lancet</i> Jul 4 ; 2(8549), 43 (1987)	France
33	Effect of sweet yogurt containing <i>Bifidobacterium longum</i> BB536 on the defecation frequency and fecal characteristics of healthy adults : A comparison with sweet standard yogurt	Yaeshima T, et al.	<i>Journal of Nutritional Food</i> 1, 29-34 (1998)	Japan
35	Effect of non-fermented milk containing <i>Bifidobacterium longum</i> BB536 on the defecation frequency and fecal characteristics in healthy adults	Yaeshima T, et al.	<i>Journal of Nutritional Food</i> 4, 1-6 (2001)	Japan
45	Effect of yogurt containing <i>Bifidobacterium longum</i> BB536 on the defecation frequency and fecal characteristics of healthy adults: A double-blind cross over study	Xiao JZ, et al.	<i>Jpn. J. Lactic Acid Bact.</i> 18, 31-36 (2007)	Japan
46	Effect of supplements with <i>Bifidobacterium longum</i> and <i>Lactobacillus acidophilus</i> on the intestinal microbiota during administration of clindamycin	Orrhage K, et al.	<i>Microbial Ecology in Health and Disease</i> 7, 17-25 (1994)	Sweden
53	The variation and adherence of species of <i>Bifidobacterium</i> in intestine during oral administration of <i>Bifidobacterium</i>	Tomoda T, et al.	<i>Medicine and Biology</i> 113(2) : 125-128 (1986)	Japan

57	The effect of probiotic fermented milk and inulin on the functions and microecology of the intestine	Sairanen U, et al.	<i>J. Dairy Res.</i> 74, 367–373 (2007)	Finland
58	Effect of supplements with lactic acid bacteria and oligofructose on the intestinal microflora during administration of cefpodoxime proxetil	Orrhage KM, et al.	<i>Journal of Antimicrobial Chemotherapy</i> 46, 603–611 (2000)	Sweden
88	Effect of the oral intake of yogurt containing <i>Bifidobacterium longum</i> BB536 on the cell numbers of enterotoxigenic <i>Bacteroides fragilis</i> in microbiota	Odamaki T, et al.	<i>Anaerobe</i> 18, 14–18 (2012)	Japan
99	Modulatory effects of <i>Bifidobacterium longum</i> BB536 on defecation in elderly patients receiving enteral feeding	Kondo J, et al.	<i>World J Gastroenterol</i> 19(14): 2162–2170 (2013)	Japan
103	A randomized double-blind controlled trial: Impact of probiotics on diarrhea in patients treated with pelvic radiation.	Demers M, et al.	<i>Clin Nutr.</i> 2013 Oct 24. pii: S0261-5614(13)00274-4.	Canada
105	Effect of <i>Bifidobacterium longum</i> Supplements on the Human Faecal Microflora	Orrhage K, et al.	<i>Microbial Ecology in Health and Disease</i> , 4: 265–270 (1991)	Sweden

(2) Effects on the prevention of allergy (Human Study)

Ref. No.	Title	Author	Publication	Country
39	Effect of probiotic <i>Bifidobacterium longum</i> BB536 [corrected] in relieving clinical symptoms and modulating plasma cytokine levels of Japanese cedar pollinosis during the pollen season. A randomized double-blind, placebo-controlled trial	Xiao JZ, et al.	<i>J Investig Allergol Clin Immunol.</i> 16, 86–93 (2006)	Japan
40	Probiotics in the treatment of Japanese cedar pollinosis: a double-blind placebo-controlled trial.	Xiao JZ, et al.	<i>Clin Exp Allergy</i> 36, 1425–1435 (2006)	Japan
41	Clinical efficacy of probiotic <i>Bifidobacterium longum</i> for the treatment of symptoms of Japanese cedar pollen allergy in subjects evaluated in an environmental exposure unit	Xiao JZ, et al.	<i>Allergol Int.</i> 56, 67–75 (2007)	Japan
56	Fluctuation of fecal microbiota in individuals with Japanese cedar pollinosis during the pollen season and influence of probiotic intake	Odamaki T, et al.	<i>J Investig Allergol Clin Immunol.</i> 17, 92–100 (2007)	Japan
59	Changes in plasma TARC levels during Japanese cedar pollen season and relationships with symptom development	Xiao JZ, et al.	<i>Int Arch Allergy Immunol.</i> 144, 123–127 (2007)	Japan
60	Influence of <i>Bifidobacterium longum</i> BB536 intake on faecal microbiota in individuals with Japanese cedar pollinosis during the pollen season.	Odamaki T, et al.	<i>J Med Microbiol.</i> 56, 1301–1308 (2007)	Japan
64	Distribution of different species of the <i>Bacteroides fragilis</i> group in individuals with Japanese cedar pollinosis	Odamaki, T, et al.	<i>Appl Environ Microbiol.</i> 74, 6814–6817 (2008)	Japan

(3) Effects on the prevention of the infection (Human Study)

Ref. No.	Title	Author	Publication	Country
6	Intestinal <i>Candida</i> overgrowth and <i>Candida</i> infection in patients with leukemia : Effect of <i>Bifidobacterium</i> administration.	Tomoda T, et al.	<i>Bifidobacteria Microflora</i> 7, 71–74 (1988)	Japan
37	The effect of <i>Bifidobacterium</i> administration in patients with leukemia	Kageyama T, et al.	<i>Bifidobacteria Microflora</i> 3, 29–33 (1984)	Japan
77	Effects of <i>Bifidobacterium longum</i> BB536 administration on influenza infection, influenza vaccine antibody titer, and cell-mediated immunity in the Eelderly	Namba, et al.	<i>Biosci. Biotechnol. Biochem.</i> , 74 939–945 (2010)	Japan
111	Effect of <i>Bifidobacterium longum</i> on PPI-based triple therapy for eradication of <i>Helicobacter pylori</i> : A randomized, double-blind placebo-controlled study	T Chitapanarux, et al.	<i>Journal of Functional Foods</i> 13, 289–294 (2015)	Thailand

(4) Effects on the immuno-response (Human Study)

Ref. No.	Title	Author	Publication	Country
19	Effects of <i>Bifidobacterium</i> containing milk on chemiluminescence reaction of peripheral leukocytes and mean corpuscular volume of red blood cells – A possible role of <i>Bifidobacterium</i> on activation of macrophages	Sekine I, et al.	<i>Biomedicine & Therapeutics</i> 14, 691–695 (1985)	Japan
73	Upregulation of T-bet and tight junction molecules by <i>Bifidobacterium longum</i> improves colonic inflammation of ulcerative colitis	Takeda Y, et al.	<i>Inflamm Bowel Dis</i> 15, 1617–1618 (2009)	Japan
77	Effects of <i>Bifidobacterium longum</i> BB536 administration on influenza infection, influenza vaccine antibody titer, and cell-mediated immunity in the elderly	Namba K, et al.	<i>Biosci. Biotechnol. Biochem.</i> 74, 939–945 (2010)	Japan
97	Clinical Effects of Probiotic <i>Bifidobacterium longum</i> BB536 on Immune Function and Intestinal Microbiota in Elderly Patients Receiving Enteral Tube Feeding	Akatsu H, et al.	<i>JPEN J Parenter Enteral Nutr.</i> (2012) [Epub ahead of print]	Japan

(5) Effects on lowering cholesterol (Human Study)

Ref. No.	Title	Author	Publication	Country
72	Effect of fermented milk containing <i>Lactobacillus acidophilus</i> and <i>Bifidobacterium longum</i> on plasma lipids of women with normal or moderately elevated cholesterol	Andrade S & Borge N	<i>J Dairy Res.</i> 76, 469–474 (2009)	Portugal

(6) Effects on the infant health (Human Study)

Ref. No.	Title	Author	Publication	Country
12	Effects of administration of <i>Bifidobacterium</i> in extremely premature infants : Development of intestinal microflora by orally administered <i>Bifidobacterium longum</i> (in comparison with <i>Bifidobacterium breve</i>)	Akiyama K, et al.	<i>Acta neonatologica Japonica</i> 30, 257–263 (1994)	Japan
28	Transient colonization of the gut of newborn infants by orally administered bifidobacteria and lactobacilli	Bennet R, et al.	<i>Acta Paediatr</i> 81, 784–787 (1992)	Sweden
52	Clinical evaluation of a new starter formula for infants containing live <i>Bifidobacterium longum</i> BL999 and prebiotics	Puccio G, et al.	<i>Nutrition</i> 23, 1–8 (2007)	Italy
61	Effect of a milk formula containing probiotics on the fecal microbiota of Asian infants at risk of atopic diseases.	Mah KW, et al	<i>Pediatr Res.</i> 62, 674–679 (2007)	Singapore
65	Assessment of the safety, tolerance, and protective effect against diarrhea of infant formulas containing mixtures of probiotics or probiotics and prebiotics in a randomized controlled trial	Chouraqui JP, et al	<i>Am J Clin Nutr.</i> 87, 1365–1373 (2008)	France
69	Oral supplementation with probiotics in very-low-birth-weight preterm infants: a randomized, double-blind, placebo-controlled trial	Rouge C, et al.	<i>Am J Clin Nutr.</i> 89, 1828–1835 (2009)	France
82	The impact of perinatal probiotic intervention on gut microbiota: Double-blind placebo-controlled trials in Finland and Germany.	Grzeskowiak L, et al.	<i>Anaerobe</i> 18, 7–13 (2012)	Finland Germany
83	Tolerance, safety, and effect on the faecal microbiota of an enteral formula supplemented with pre- and probiotics in critically ill children	Simakachorn N, et al.	<i>J Pediatr Gastroenterol Nutr.</i> 53, 174–181 (2011)	Thailand
85	Effect of formula composition on the development of infant gut microbiota	Hascoet JM, et al.	<i>JPGN</i> 52, 756–762 (2011)	France
86	Improved growth of toddlers fed a milk containing synbiotics.	Firmansyah A, et al.	<i>Asia Pac J Clin Nutr.</i> 20, 69–76 (2011)	Indonesia
87	Probiotic supplementation in the first 6 months of life in at risk Asian infants—effects on eczema and atopic sensitization at the age of 1 year	Soh SE, et al.	<i>Clin Exp Allergy</i> 39, 571–578 (2009)	Singapore
96	Maternal probiotic supplementation during pregnancy and breast-feeding reduces the risk of eczema in the infant	Rautava S, et al.	<i>J Allergy Clin Immunol.</i> 130(6):1355–60 (2012)	Finland

102	Effect of administration of bifidobacteria on intestinal microbiota in low-birth-weight infants and transition of administered bifidobacteria: A comparison between one-species and three-species administration.	Ishizeki S, et al.	<i>Anaerobe : S1075-9964(13)00134-0. doi: 10.1016 (2013) [Epub ahead of print]</i>	Japan
106	Effects of Bifidobacterial Supplementation to Pregnant Women and Infants in the Prevention of Allergy Development in Infants and on Fecal Microbiota.	Enomoto T, et al.	<i>Allergol Int 63(4):575-585 (2014)</i>	Japan
110	Effects of a fermented soy product and Bifidobacterium on atopic dermatitis in children : a pilot study	Kando N, et al.	<i>Allergy and Immunity .22: 1 (2015)</i>	Japan
114	Effects of Bifidobacterium supplementation on intestinal microbiota composition and the immune response in healthy infants	Wu BB, et al.	<i>World J Pediatr, 12, 177-82 (2015)</i>	China

(7) Effects on the skin health (Human Study)

Ref. No.	Title	Author	Publication	Country
107	Effect of milk supplemented with bifidobacteria on skin condition in healthy adult women	Yonezawa S, et al.	<i>Clinical Allergy 34(10): 872-875 (2014)</i>	Japan

(8) Effects on the intestinal disease (IBS, IBD) (Human Study)

Ref. No.	Title	Author	Publication	Country
119	Efficacy of probiotic treatment with <i>Bifidobacterium longum</i> 536 for induction of remission in active ulcerative colitis: A randomized, double-blinded, placebo-controlled multicenter trial	Tamaki H, et al.	<i>Digestive Endoscopy 28, 67-74 (2016)</i>	Japan
135	Bifidobacteria Enhance Antigen Sampling and Processing by Dendritic Cells in Pediatric Inflammatory Bowel Disease	Strisciuglio C et al.	<i>Inflamm Bowel Dis, 21, 1491-1498 (2015)</i>	Italy
136	A Mixture of 3 Bifidobacteria Decreases Abdominal Pain and Improves the Quality of Life in Children With Irritable Bowel Syndrome: A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Crossover Trial	Giannetti E, et al.	<i>J Clin Gastroenterol. 2016 Jun 15. [Epub ahead of print]</i>	Italy

(9) Postoperative management (Human Study)

Ref. No.	Title	Author	Publication	Country
123	Effect of probiotics on postoperative quality of gastric bypass surgeries: a prospective randomized trial	Chen JC, et al.	<i>Surg Obes Relat Dis, 12, 57-61 (2016)</i>	Taiwan
126	Perioperative supplementation with bifidobacteria improves postoperative nutritional recovery, inflammatory response, and fecal microbiota in patients undergoing colorectal surgery: a prospective, randomized clinical trial	Mizuta M, et al.	<i>Biosci Microbiota Food Health, 35, 77-87. (2016)</i>	Japan

2. Animal Study

(1) Effects on the healthy cell growth, antitumor (Animal study)

Ref. No.	Title	Author	Publication	Country
21	Inhibitory effect of <i>Bifidobacterium longum</i> on colon, mammary and liver carcinogenesis induced by 2-amino-3-methylimidazo [4,5- <i>f</i>] quinoline, a food mutagen	Reddy BS & Rivenson A.	<i>Cancer Research 53, 3914-3918 (1993)</i>	USA
22	Inhibitory effect of <i>Bifidobacterium longum</i> cultures on the azoxymethane-induced aberrant crypt foci formation and fecal bacterial β -glucuronidase	Kulkarni N & Reddy BS	<i>Proceedings of the Society for Experimental Biology and Medicine 207, 278-283 (1994)</i>	USA

23	<i>Bifidobacterium longum</i> , a lactic acid-producing intestinal bacterium inhibits colon cancer and modulates the intermediate biomarkers of colon carcinogenesis	Singh J, et al.	<i>Carcinogenesis</i> 18, 833-841 (1997)	USA
24	<i>Bifidobacterium longum</i> and lactulose suppress azoxymethane-induced colonic aberrant crypt foci in rats	Challa A, et al.	<i>Carcinogenesis</i> 18, 517-521 (1997)	USA
47	Prevention of heterocyclic amine-induced DNA damage in colon and liver of rats by different lactobacillus strains.	Zsivkovits M, et al.	<i>Carcinogenesis</i> , 24: 1913-1918 (2003)	Austria
122	Commensal <i>Bifidobacterium</i> promotes antitumor immunity and facilitates anti-PD-L1 efficacy	Sivan A, et al.	<i>Science</i> , 350(6264), 1084-1089 (2015)	USA

(2) Effects on the immuno-stimulation and prevention of infection (Animal Study)

Ref. No.	Title	Author	Publication	Country
15	Immunological responses to monoassociated <i>Bifidobacterium longum</i> and their relation to prevention of bacterial invasion	Yamazaki S, et al.	<i>Immunology</i> 56, 43-50 (1985)	Japan
16	Immunity provided by colonized enteric bacteria	Ueda K	<i>Bifidobacteria Microflora</i> 5, 67-72 (1986)	Japan
17	Immune response of <i>Bifidobacterium</i> -monoassociated mice	Yamazaki S, et al.	<i>Bifidobacteria Microflora</i> 10, 19-31 (1991)	Japan
18	Protective effect of <i>Bifidobacterium</i> -monoassociation against lethal activity of <i>Escherichia coli</i>	Yamazaki S, et al.	<i>Bifidobacteria Microflora</i> 1, 55-59 (1982)	Japan
36	Inhibitory effects of <i>Bifidobacterium longum</i> on enterohemorrhagic <i>Escherichia coli</i> O157:H7	Namba K, et al.	<i>Bioscience Microflora</i> 22, 85-91 (2003)	Japan
63	Oral administration of <i>Bifidobacterium longum</i> prevents gut-derived <i>Pseudomonas aeruginosa</i> sepsis in mice	Matsumoto T, et al.	<i>J Appl Microbiol.</i> 104, 672-680 (2008)	Japan
75	Effects of intranasal administration of <i>Bifidobacterium longum</i> BB536 on mucosal immune system in respiratory tract and influenza virus infection in mice	Iwabuchi N, et al.	<i>Milk Science</i> 58, 129-133 (2009)	Japan
80	Oral administration of <i>Bifidobacterium longum</i> ameliorates influenza virus infection in mice	Iwabuchi N, et al.	<i>Biol Pharm Bull.</i> 34, 1352-1355 (2011)	Japan

(3) Effects on the immuno-modulation or allergy (Animal Study)

Ref. No.	Title	Author	Publication	Country
20	Comparison of the TNF- α levels induced by human-derived <i>Bifidobacterium longum</i> and rat-derived <i>Bifidobacterium animalis</i> in mouse peritoneal cells	Sekine K, et al.	<i>Bifidobacteria Microflora</i> 13, 79-89 (1994)	Japan
42	Immunostimulatory oligodeoxynucleotide from <i>Bifidobacterium longum</i> suppresses Th2 immune responses in a murine model	Takahashi N, et al.	<i>Clin Exp Immunol.</i> 145, 130-138 (2006)	Japan
43	Oral administration of an immunostimulatory DNA sequence from <i>Bifidobacterium longum</i> improves Th1/Th2 balance in a murine model	Takahashi N, et al.	<i>Biosci Biotechnol Biochem.</i> 70, 2013-2017 (2006)	Japan
108	Distinctive anti-allergy properties of two probiotic bacterial strains in a mouse model of allergic poly-sensitization	I Schabussova, et al.	<i>Vaccine</i> 29(10):1981-1990 (2011)	Austria

(4) Effects on lowering cholesterol (Animal Study)

Ref. No.	Title	Author	Publication	Country
93	Hypocholesterolaemic effect of yoghurt containing <i>Bifidobacterium pseudocatenulatum</i> G4 or <i>Bifidobacterium longum</i> BB536	Al-Sheraji SH, et al.	<i>Food Chemistry</i> 135, 356-361 (2012)	Malaysia
113	Effects of <i>Bifidobacterium longum</i> BB536 on lipid profile and histopathological changes in hypercholesterolaemic rats	Al-Sheraji SH, et al.	<i>Benef Microbes</i> , 6, 661-8 (2015)	Malaysia

(5) Effects on the bone strength (Animal Study)

Ref. No.	Title	Author	Publication	Country
25	Effect of <i>Bifidobacterium longum</i> and lactulose on the strength of bone in ovariectomized osteoporosis model rats	Igarashi M, et al.	<i>Bifidus</i> 7, 139–147 (1994)	Japan

(6) Effects on the anxiety-like behavior (Animal Study)

Ref. No.	Title	Author	Publication	Country
89	The anxiolytic effect of <i>Bifidobacterium longum</i> NCC3001 involves vagal pathways for gut-brain communication	Bercik P, et al.	<i>Neurogastroenterol Motil.</i> 23, 1132–1139 (2011)	Canada
90	Chronic gastrointestinal inflammation induces anxiety-like behavior and alters central nervous system biochemistry in mice	Bercik P, et al.	<i>Gastroenterology</i> 139, 2102–2112 (2010)	Canada
109	<i>Bifidobacterium longum</i> NCC3001 inhibits AH neuron excitability.	Khoshdel A, et al.	<i>Neurogastroenterol Motil.</i> 25(7): e478–84 (2013)	Canada

(7) Effects on intestinal disease (Animal Study)

Ref. No.	Title	Author	Publication	Country
95	Active hexose-correlated compound and <i>Bifidobacterium longum</i> BB536 exert symbiotic effects in experimental colitis	Borja Ocoń, et al.	<i>Eur J Nutr.</i> 2013 Mar;52(2):457–66 (2013)	Spain

3. In vitro study

(1) Effects on the improvement of intestinal condition or suppression of harmful bacteria

Ref. No.	Title	Author	Publication	Country
26	Inhibitory effects of <i>Bifidobacterium longum</i> BB536 on harmful intestinal bacteria	Araya-Kojima T, et al.	<i>Bifidobacteria Microflora</i> 14, 59–66 (1995)	Japan
29	Bifidobacteria and probiotic effects: Action of <i>Bifidobacterium</i> species on conjugated bile salts	Grill JP, et al.	<i>Current Microbiology</i> 31, 23–27 (1995)	France
31	Effect of bifidobacteria on nitrites and nitrosamines	Grill JP, et al.	<i>Lett Appl Microbiol.</i> 20, 328–330 (1995)	France
34	Adhesion of different bifidobacteria strains to human enterocyte-like Caco-2 cells and comparison with <i>in vivo</i> study	Crociani J, et al.	<i>Lett Appl Microbiol.</i> 21, 146–148 (1995)	France
48	The <i>in vitro</i> inhibition of Gram-negative pathogenic bacteria by bifidobacteria is caused by the production of organic acids	Makras L & De Vuyst L	<i>International Dairy Journal</i> 16, 1049–1057 (2006)	Belgium
49	<i>In vitro</i> kinetic analysis of oligofructose consumption by <i>Bacteroides</i> and <i>Bifidobacterium</i> spp. indicates different degradation mechanisms	Van der Meulen R, et al.	<i>Appl Environ Microbiol.</i> 72, 1006–1012 (2006)	Belgium
51	Cross-feeding between <i>Bifidobacterium longum</i> BB536 and acetate-converting, butyrate-producing colon bacteria during growth on oligofructose	Falony G, et al.	<i>Appl Environ Microbiol.</i> 72, 7835–7841 (2006)	Belgium
120	Specific probiotic strains and their combinations counteract adhesion of <i>Enterobacter sakazakii</i> to intestinal mucus	Collado MC, et al.	<i>FEMS Microbiol Lett</i> 285, 58–64 (2008)	Finland

(2) Effects on the immuno-stimulation or immuno-modulation

Ref. No.	Title	Author	Publication	Country
----------	-------	--------	-------------	---------

38	An immunostimulatory DNA sequence from a probiotic strain of <i>Bifidobacterium longum</i> inhibits IgE production <i>in vitro</i>	Takahashi N, et al.	<i>FEMS Immunol Med Microbiol.</i> 46, 461–469 (2006)	Japan
55	<i>In vitro</i> Th1 cytokine-independent Th2 suppressive effects of bifidobacteria.	Iwabuchi N, et al.	<i>Microbiol Immunol.</i> 51, 649–660 (2007)	Japan
68	Suppressive effects of <i>Bifidobacterium longum</i> on the production of Th2-attracting chemokines induced with T cell-antigen-presenting cell interactions	Iwabuchi N, et al.	<i>FEMS Immunol Med Microbiol</i> 55, 324–334 (2009)	Japan
100	Immunoregulatory Effect of Bifidobacteria Strains in Porcine Intestinal Epithelial Cells through Modulation of Ubiquitin-Editing Enzyme A20 Expression	Tomosada Y, et al.	<i>PLoS One.</i> 8(3):e59259. doi:10.1371/journal.pone.0059259 (2013)	Japan
101	Bifidobacteria Upregulate Expression of Toll-Like Receptor Negative Regulators Counteracting Enterotoxigenic <i>Escherichia coli</i> Mediated Inflammation in Bovine Intestinal Epitheliocytes	Tomosada Y, et al.	<i>Open Journal of Veterinary Medicine</i> , 143–155 (2013)	Japan

(3) Effects on the improvement of cholesterol level

Ref. No.	Title	Author	Publication	Country
32	Effects of three strains of bifidobacteria on cholesterol	Tahri K, et al.	<i>Lett Appl Microbiol.</i> 21, 149–151 (1995)	France

(4) Effects on sugar metabolism

Ref. No.	Title	Author	Publication	Country
30	Characterization of fructose 6 phosphate phosphoketolases purified from <i>Bifidobacterium</i> species	Grill JP, et al.	<i>Current Microbiology</i> 31, 49–54 (1995)	France
78	Distribution of <i>in vitro</i> fermentation ability of lacto-N-biose I, a major building block of human milk oligosaccharides, in bifidobacterial strains	Xiao JZ, et al.	<i>Appl Environ Microbiol.</i> 76, 54–59 (2010)	Japan

(5) Effects on adhesion ability

Ref. No.	Title	Author	Publication	Country
94	Resistance to Simulated Gastrointestinal Conditions and Adhesion to Mucus as Probiotic Criteria for <i>Bifidobacterium longum</i> Strains	E. Izquierdo, et al.	<i>Curr Microbiol</i> 56:613–618 (2008)	Spain
104	Evaluation of bifidobacterial adhesion to acidic sugar chains of porcine colonic mucins	Nishiyama K, et al.	<i>Biosci Biotechnol Biochem</i> 78(8):1444–1451 (2014)	Japan
124	Microbiological characteristics of the probiotic strains <i>B. longum</i> BB536 and <i>L. rhamnosus</i> HN001 used in combination	Inturri R, et al.	<i>Minerva Gastroenterol Dietol.</i> 61, 191–197 (2015)	Italy
134	Probiotic characteristics and <i>in vitro</i> compatibility of a combination of <i>Bifidobacterium breve</i> M-16 V, <i>Bifidobacterium longum</i> subsp. <i>infantis</i> M-63 and <i>Bifidobacterium longum</i> subsp. <i>longum</i> BB536	Toscano M, et al.	<i>Ann Microbiol</i> , 65, 1079–1086 (2015)	Italy

(6) Research on difference between Human Residential Bididobacteria (HRB) and non-HRB

Ref. No.	Title	Author	Publication	Country
116	Probiotic <i>Bifidobacterium longum</i> alters gut luminal metabolism through modification of the gut microbial community	Sugahara H, et al.	<i>Scientific Reports</i> , Article number: 13548 (2015)	Japan
118	Differences in folate production by bifidobacteria of different origins	Sugahara H, et al.	<i>Bioscience of Microbiota, Food and Health</i> 34, 87–93 (2015)	Japan

121	Lysozyme in breast milk is a selection factor for bifidobacterial colonisation in the infant intestine	Minami J, et al.	<i>Beneficial Microbes</i> , 27, 1–8 (2015)	Japan
-----	--	------------------	---	-------

(7) Others

Ref. No.	Title	Author	Publication	Country
50	Kinetic analysis of bifidobacterial metabolism reveals a minor role for succinic acid in the regeneration of NAD ⁺ through its growth-associated production	Van der Meulen R, et al.	<i>Appl Environ Microbiol.</i> 72, 5204–5210 (2006)	Belgium
54	Purification and characterization of conjugated bile salt hydrolase from <i>Bifidobacterium longum</i> BB536	Grill JP, et al.	<i>Appl Environ Microbiol.</i> 61, 2577–2582 (1995)	France
128	Purification and N-terminal amino acid sequence of fructose-6-phosphate phosphoketolase from <i>Bifidobacterium longum</i> BB536	Fandi KG, et al.	<i>Lett Appl Microbiol.</i> 32, 235–9 (2001)	Malaysia
129	Effects of lactic acid bacteria on the uptake and distribution of the food mutagen Trp-P-2 in mice	Orrhage KM, et al.	<i>Scand J Gastroenterol.</i> 37, 215–221 (2002)	Sweden

4. Safety evaluation

Ref. No.	Title	Author	Publication	Country
27	Toxicological studies on <i>Bifidobacterium longum</i> BB-536	Momose H, et al.	<i>Applied Pharmacology</i> 17, 881–887 (1979)	Japan
62	Safety evaluation of <i>Bifidobacterium pseudocatenulatum</i> G4 as assessed in BALB/c mice	B. M. Kabeir, et al.	<i>Lettes in Applied Microbiology</i> 46 : 32–37 (2008)	Malaysia
70	Safety evaluation of probiotic bifidobacteria by analysis of mucin degradation activity and translocation ability	Abe F, et al.	<i>Anaerobe</i> 16 : 131–136 (2010)	Japan
74	Antibiotic susceptibility of bifidobacterial strains distributed in the Japanese market	Xiao JZ, et al.	<i>Biosci. Biotechnol. Biochem.</i> 74, 336–342 (2010)	Japan

5. Technical study

Ref. No.	Title	Author	Publication	Country
66	Stability of bifidobacteria in powdered formula	Abe F, et al.	<i>International Journal of Food Science and Technology</i> 44, 718–724 (2009)	Japan
67	Effects of storage temperature and water activity on the survival of bifidobacteria in powder form	Abe F, et al.	<i>International Journal of Dairy Technology</i> 62, 234–239 (2009)	Japan
71	Effect of production conditions on the stability of a human bifidobacterial species <i>Bifidobacterium longum</i> in yogurt	Abe F, et al.	<i>Lett Appl Microbiol.</i> 49, 715–720 (2009)	Japan
76	Improved growth of bifidobacteria by cocultivation with <i>Lactococcus lactis</i> subspecies <i>lactis</i>	Yonezawa S, et al.	<i>J Dairy Sci.</i> 93, 1815–1823 (2010)	Japan
79	Effect of enumeration method on Bifidobacterium cell counts in commercial powder products	Muto M, et al.	<i>Bioscience Microflora</i> 29(3) : 143–148 (2010)	Japan
81	Improved viability of bifidobacteria in fermented milk cocultivation with <i>Lactococcus lactis</i> subspecies <i>lactis</i>	Odamaki T, et al.	<i>J Dairy Sci.</i> 94, 1112–1121 (2011)	Japan
84	Reconstitution conditions for dried probiotic powders represent a critical step in determining cell viability	Muller JA, et al.	<i>J Appl Microbiol.</i> 108, 1369–1379 (2010)	Ireland
98	Effects of suspension-dilution buffers and plating media on enumeration of Bifidobacterium	Abe F, et al.	<i>Milchwissenschaft</i> 64, 139–142 (2009)	Japan

112	Enumeration of Bifidobacterium in powdered milk products: effect of suspension buffer and development of selective enumeration media	Muto M, et al.	<i>Milk Science</i> 64, 15–23 (2015)	Japan
130	A nutritious medida (Sudanese cereal thin porridge) prepared by fermenting malted brown rice flour with <i>Bifidobacterium longum</i> BB536	Kabier BM Jr, et al.	<i>Malays J Nutr</i> , 10, 183–93 (2004)	Malaysia
131	Growth of <i>Bifidobacterium longum</i> BB536 in medida (fermented cereal porridge) and their survival during refrigerated storage	Kabeir BM, et al.	<i>Lett Appl Microbiol</i> , 41, 125–131 (2005)	Malaysia
132	Viability and activity of bifidobacteria during refrigerated storage of yoghurt containing <i>Mangifera pajang</i> fibrous polysaccharides	Al-Sheraji SH, et al.	<i>J Food Sci</i> , 77, M624–630 (2012)	Malaysia

6. Review

Ref. No.	Title	Author	Publication	Country
44	Immuno-modulating effects of <i>Bifidobacterium longum</i> BB536	Xiao JZ, et al	<i>Medical Science Digest</i> 32(9) : 405–408 (2006)	Japan
91	Bifidobacteria: their significance in human intestinal health	Ishibashi N, et al.	<i>Malaysian Journal of Nutrition</i> 3, 149–159 (1997)	Japan

7. Cross-sectional study

Ref. No.	Title	Author	Publication	Country
125	Cross-sectional study on the relationship between regular consumption of calcium-fortified milk containing Bifidobacterium and health status in older Japanese	Xiao JZ, et al	<i>Milk Science</i> , 65, 1–9 (2016)	Japan