

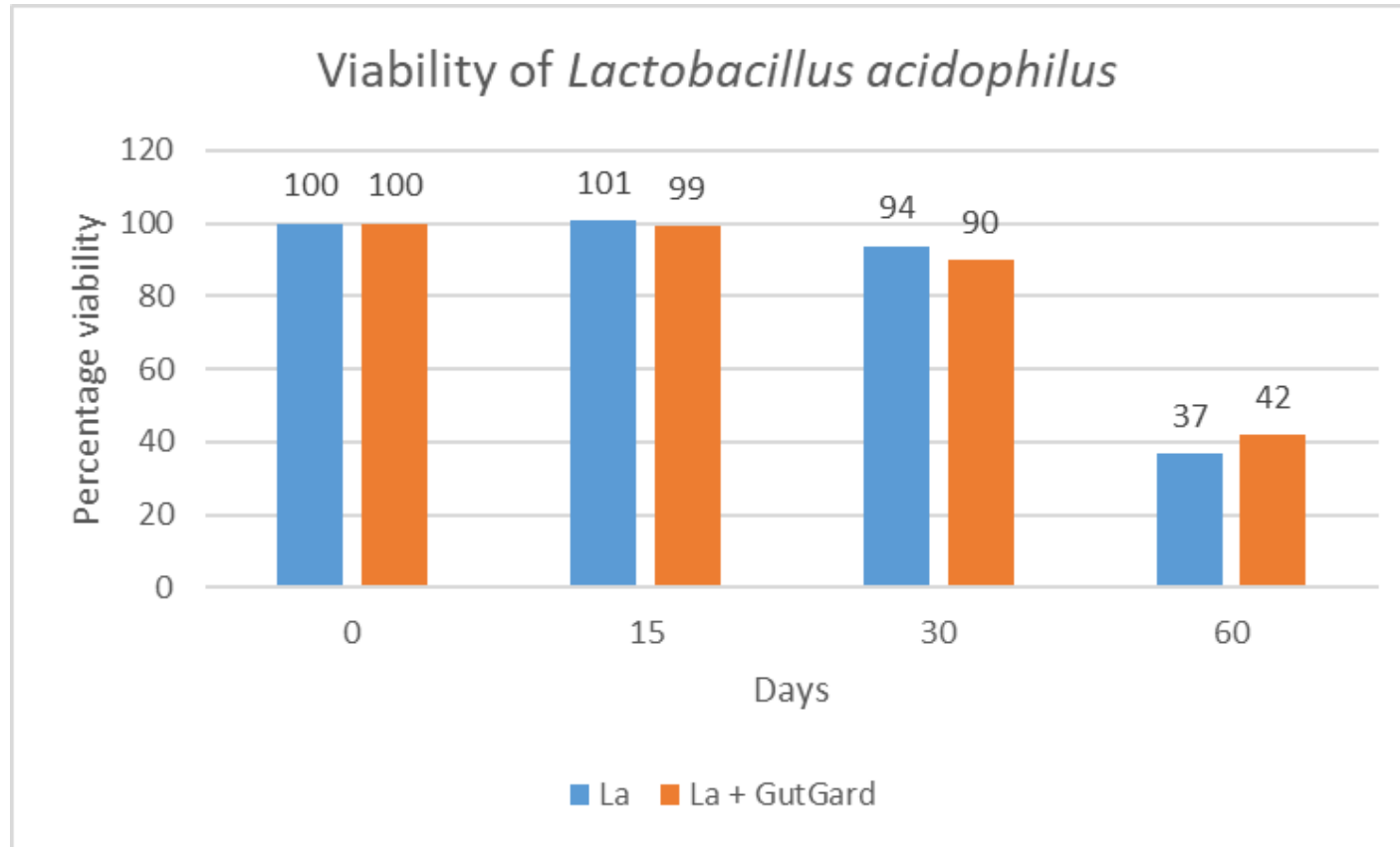
Stability of GutGard® in combination  
with *Lactobacillus acidophilus* and  
*Bifidobacterium lactis*

Natural Remedies Private Limited  
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# Stability of *Lactobacillus acidophilus* in combination with GutGard®

- GutGard® (150 mg) was added to *Lactobacillus acidophilus* (1 g) powder and stored at 25°C.
- Compatibility of GutGard® with *Lactobacillus acidophilus* was evaluated by checking the samples for viability, sodium chloride tolerance, acid tolerance and bile tolerance of *Lactobacillus acidophilus* on days 0, 15, 30 and 60.

# Viability of *Lactobacillus acidophilus*



- Viability of *Lactobacillus acidophilus* was not affected on account of addition of GutGard®.
- This indicates, GutGard® can be safely combined with *Lactobacillus acidophilus*

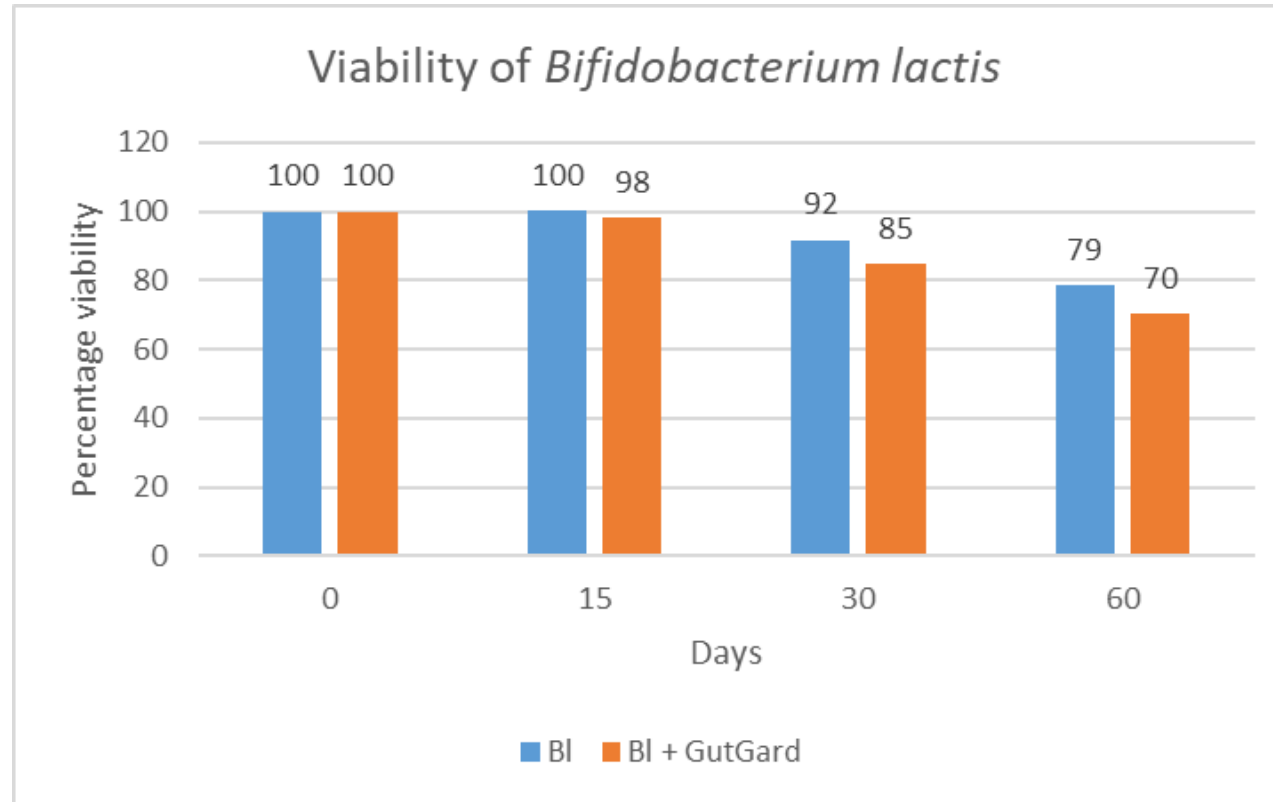
# Probiotic properties of *Lactobacillus acidophilus*

- *Lactobacillus acidophilus* was found to tolerate
  - 3% sodium chloride
  - pH from 5.5 to 8.5
  - Bile
- The above probiotic properties of *Lactobacillus acidophilus* were not affected on account of addition of GutGard<sup>®</sup> when tested on days 0, 15, 30, and 60.
- This indicates, GutGard<sup>®</sup> can be safely combined with *Lactobacillus acidophilus*

# Stability of *Bifidobacterium lactis* in combination with GutGard®

- GutGard® (150 mg) was added to *Bifidobacterium lactis* (1 g) powder and stored at 25°C
- Compatibility of GutGard® with *Bifidobacterium lactis* was evaluated by checking the samples for viability, sodium chloride tolerance, acid tolerance and bile tolerance of *Bifidobacterium lactis* on days 0, 15, 30 and 60.

# Viability of *Bifidobacterium lactis*

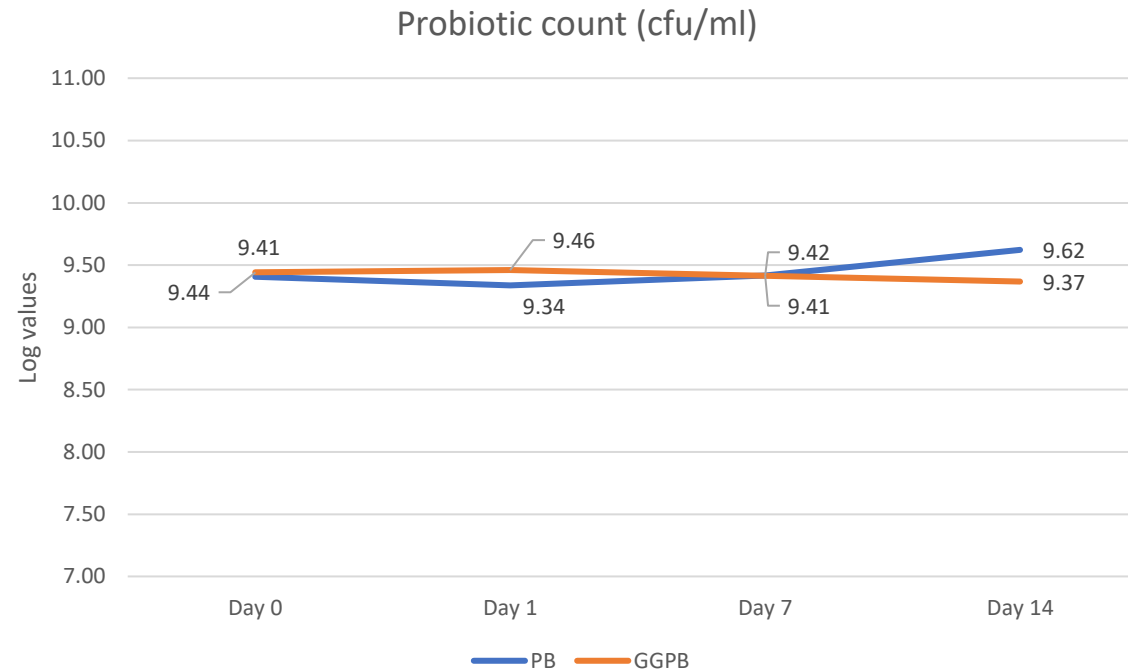


- Viability of *Bifidobacterium lactis* was not affected on account of addition of GutGard®
- This indicates, GutGard® can be safely combined with *Bifidobacterium lactis*

# Probiotic properties of *Bifidobacterium lactis*

- *Bifidobacterium lactis* was found to tolerate
  - 1% sodium chloride
  - pH from 5.5 to 8.5
  - Bile
- The above probiotic properties of *Bifidobacterium lactis* were not affected on account of addition of GutGard® when tested on days 0, 15, 30 and 60.
- This indicates, GutGard® can be safely combined with *Bifidobacterium lactis*

# Stability of probiotic bacteria in combination with Gutgard®



- Gutgard® added to probiotic drink (*Lactobacillus acidophilus*)
- Probiotic count remained at the acceptable level
- This indicates Gutgard® is compatible with tested probiotic drink

PB- Probiotic drink ; GGPB- Gutgard + Probiotic drink  
Asha et al. Journal of Dietary Supplements 2017, 14(3): 323-333.



# Thank You