Armored Probiotics™

Probiotic protection from antibiotics

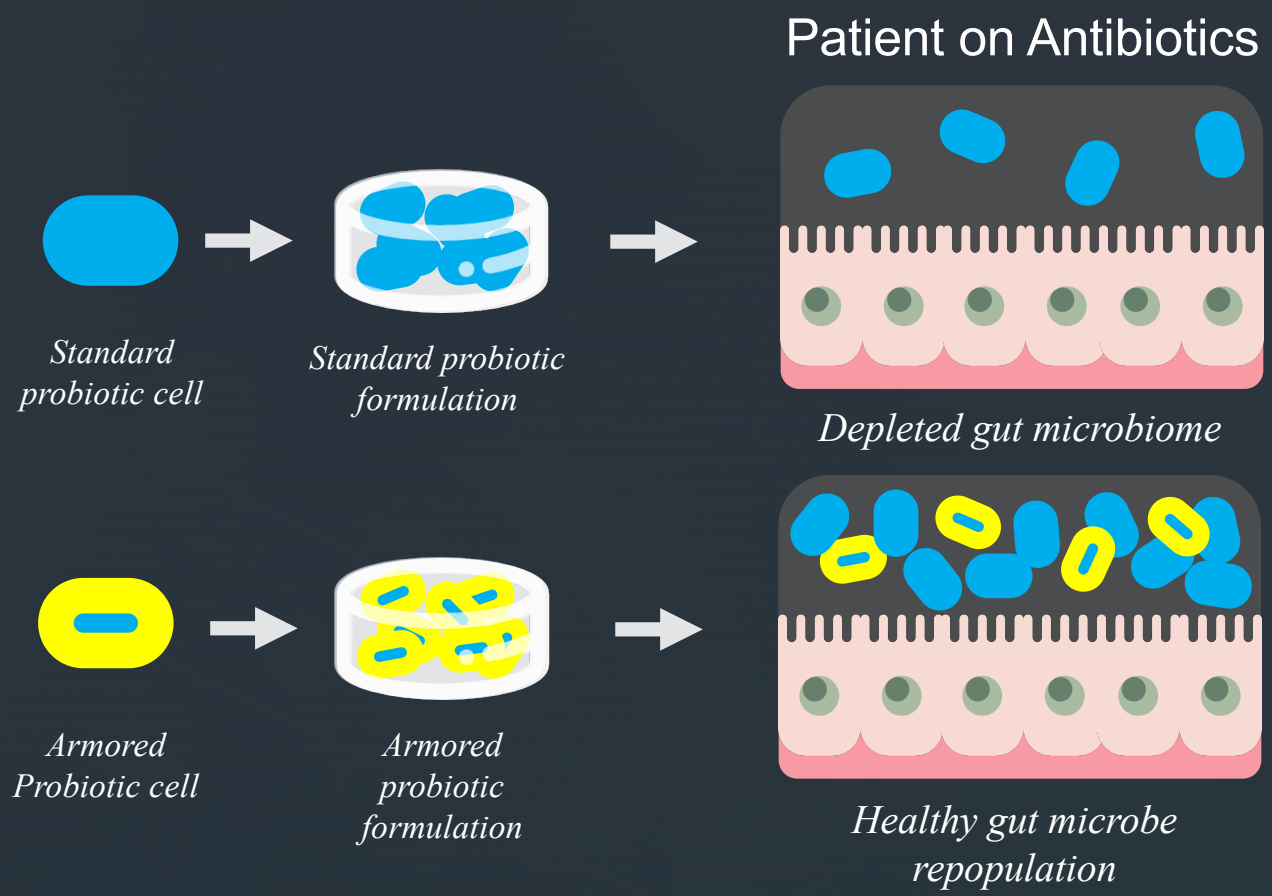
Why do we need Armored Probiotics?

- Antibiotic suppression of beneficial microbes in the gut, skin and mucous membranes leads to numerous undesirable side effects, including antibiotic-associated diarrhea (AAD)

- Although concurrent probiotic use has shown benefit in preventing infection recurrence and reducing side effects, results are unpredictable, in part because the probiotics are also susceptible to the antibiotic.

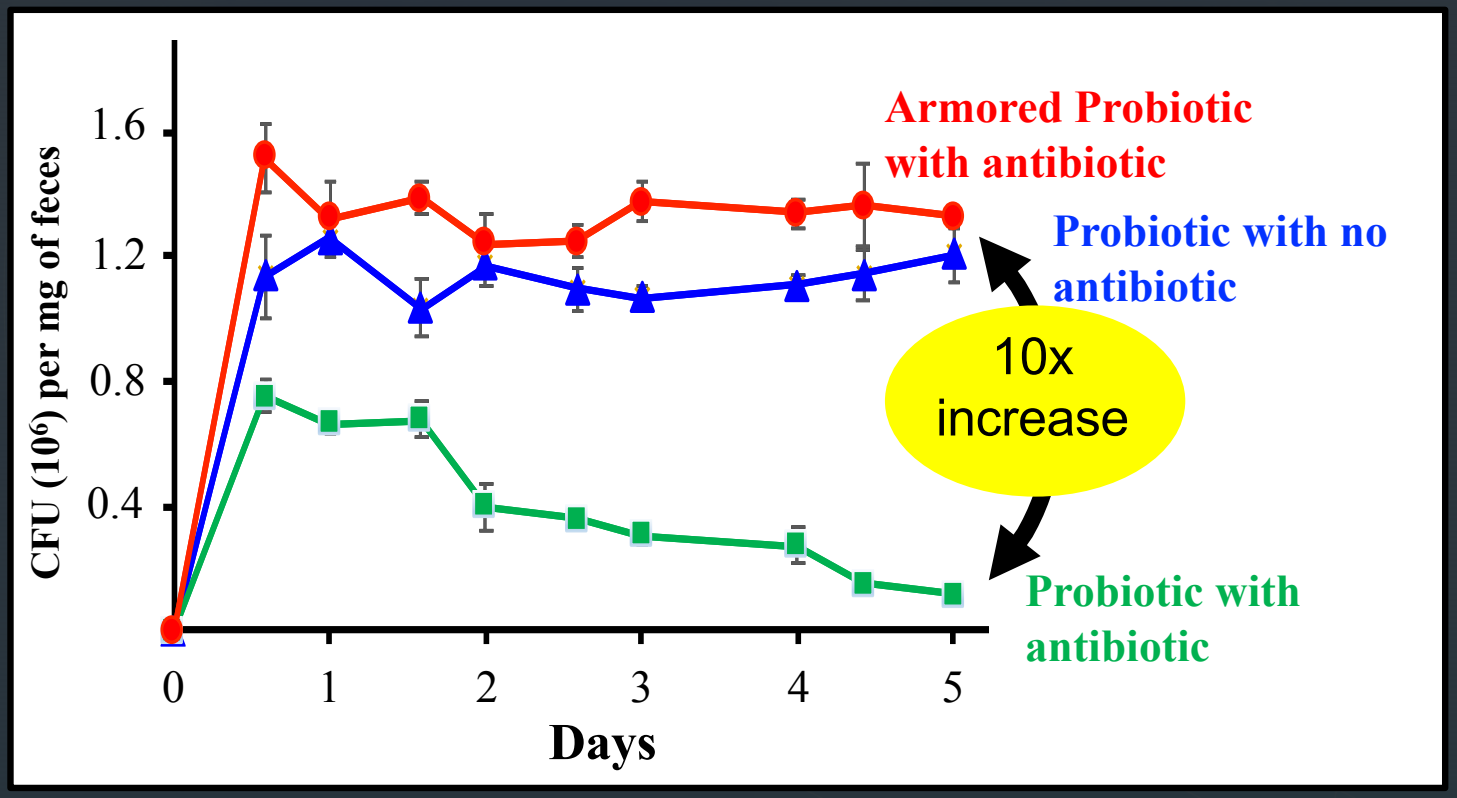
Solution: Provide probiotics with temporary protection from antibiotics

How It Works



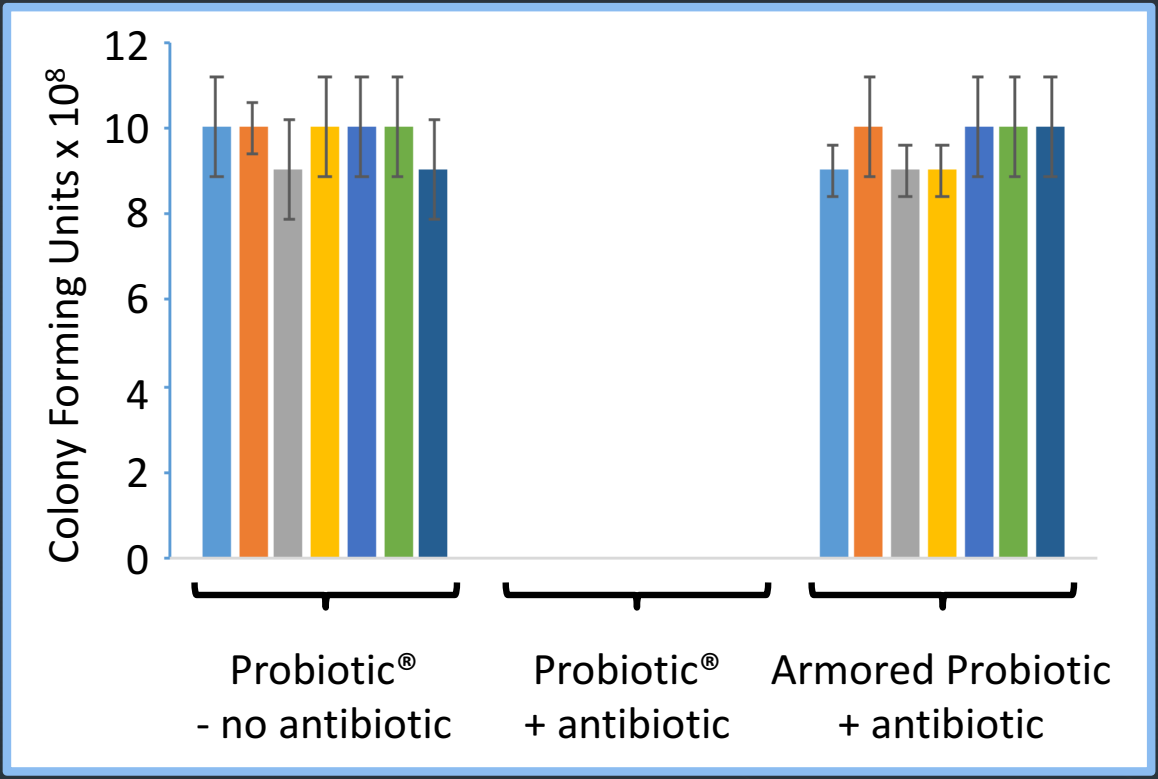
Armored Probiotics is an inexpensive & temporary coating that helps patients maintain a healthy microbiome during antibiotic treatment.

Proven Effectiveness



Rat model showed 10x higher concentration of Armored Probiotic™ during amoxicillin treatment.

Protects All Bacteria Against All Antibiotics



Antibiotics

- Carbenicillin
- Kanamycin
- Chloramphenicol
- Spectinomycin
- Amoxicillin
- Vancomycin
- Clindamycin

Probiotic Blend

Bifidobacterium bifidum
Bifidobacterium breve
Bifidobacterium longum
Lactobacillus acidophilus
Lactobacillus casei
Lactobacillus helveticus
Lactobacillus rhamnosus
Lactobacillus plantarum
Lactobacillus lactis
Streptococcus lactis

- ✓ **Tested against 7 different antibiotics**
- ✓ **Works for gram positive and gram negative**
- ✓ **Data on L. Casei, E. coli Nissle, & Blend**

The Coating Process

Standard Probiotics

Suspend in aqueous buffer

Ⓐ + Ⓑ

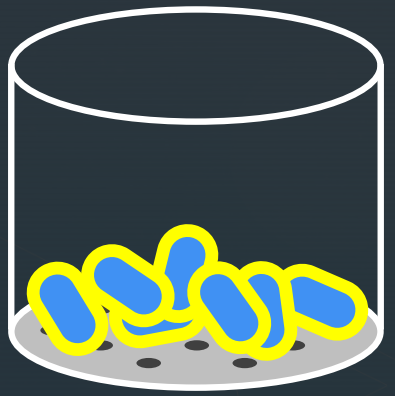
Ⓐ and Ⓑ are cheap, stable GRAS compounds

Add Armor compounds

SimpleCoating Process

< 5 minutes
Room temp.

Freeze Dry



Lyophilized Armored Probiotics

Armored Probiotics are SAFE

- All components of coating are GRAS
- Cell coating safety is well-documented
- Resistance is temporary and non-inheritable
- After division, cells return to pre-coated state

Value Proposition

- Opens new market segment
- Expands existing product lines
- New, high value product
- Armored Probiotics provides clear brand differentiation