

Prome Max is a unique researched proprietary blend of sporulating, viable, non-haemolytic & non-GMO multistrain *Bacillus species* providing a complete Crop-to-Cloaca Protection to be used for gut health & growth promotion in poultry

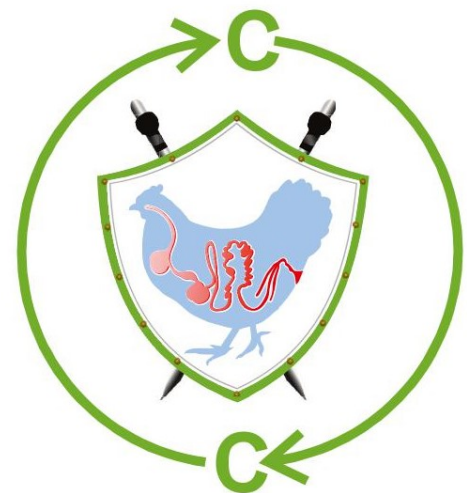
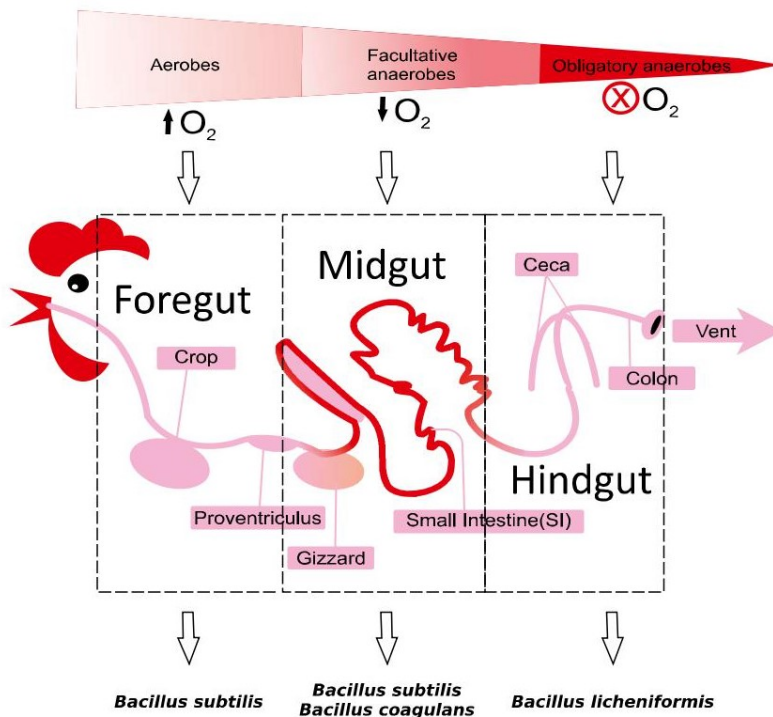
Bacillus species spores in Prome Max:

- *Bacillus subtilis* (SAN 144 BS)
- *Bacillus coagulans* (SAN 135 BC)
- *Bacillus licheniformis* (SAN 136 BL)



Properties of Bacillus spores in Prome Max:

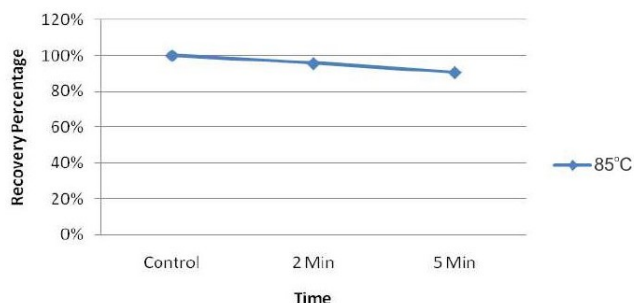
- *Bacillus subtilis* (SAN 144 BS) is a Gram Positive Aerobic & Facultative Anaerobic Probiotic highly effective in the foregut & midgut
- *Bacillus coagulans* (SAN 135 BC) is a Gram Positive Facultative Anaerobic Probiotic highly effective in the midgut
- *Bacillus licheniformis* (SAN 136 BL) is a Gram Positive Anaerobic Probiotic highly effective in the hindgut
- **Prome Max** is a combination of Multistrain Aerobic, Facultative Anaerobic & Anaerobic *Bacillus species* acting across the gut and providing complete Crop-to-Cloaca Protection



INVITRO STUDIES

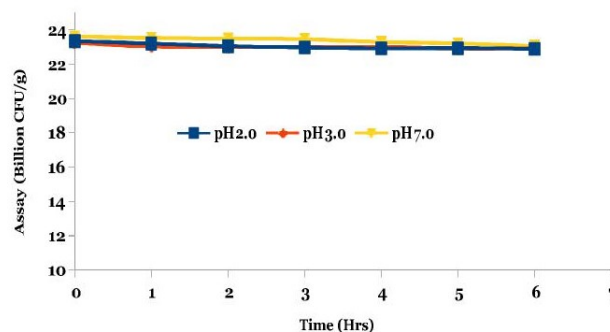
1. Thermostability of Prome Max:

- ➔ Recovery 86.9% at 85°C for 2 minutes
- ➔ Recovery 84.3 at 85°C for 5 minutes



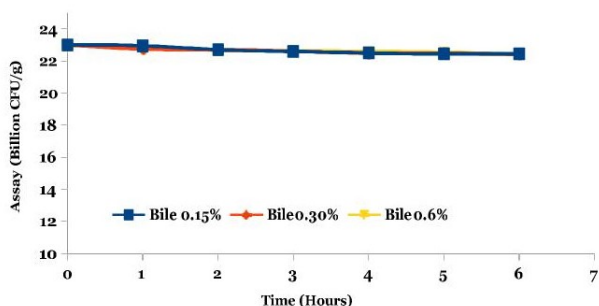
2. pH Tolerance (@ 6 Hour Incubation) of Prome Max:

- ➔ 98% Survival rate at pH 2
- ➔ 98.6% Survival rate at pH 3
- ➔ 97.5% Survival rate at pH 7



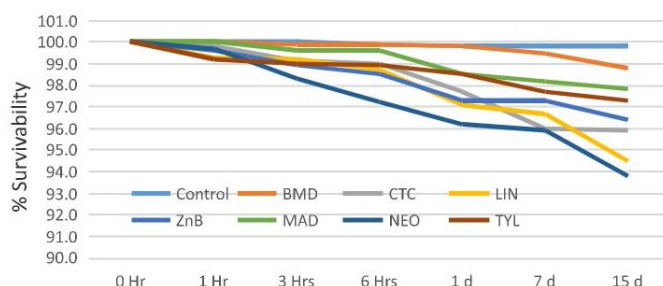
3. Bile Tolerance (@ 6 Hour Incubation) of Prome Max:

- ➔ 97.6% Survival rate at 0.15% Bile concentration
- ➔ 97.3% Survival rate at 0.30% Bile concentration
- ➔ 97.6% Survival rate at 0.60% Bile concentration



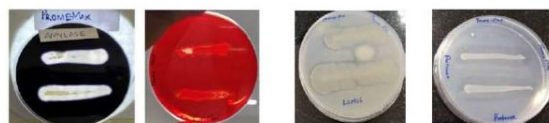
4. Antibiotic compatibility over 15 days of Prome Max:

- ➔ More than 94% Survival rate even with the toughest antibiotics



5. Enzymatic activity of Prome Max:

- ➔ Dominant Amylolytic, Proteolytic, Lipolytic & Cellulolytic activity



6. Antipathogenic activity of Prome Max:

- ➔ Zone of inhibition against *Clostridium perfringens*, *Salmonella enteritidis* & *E.coli*

Conclusions from INVITRO studies of Prome Max:

1. Prome Max can be effectively used in Pellet Feeds
2. Prome Max survives the different pH of the poultry gut
3. Prome Max is not degraded by the bile acids produced
4. Prome Max is compatible with antibiotics given in feed
5. Prome Max has proven enzymatic activity helping in nutrient absorption
6. Prome Max is proven anti-pathogenic and prevents Necrotic Enteritis



INVIVO STUDIES / FIELD TRIALS

Comparative field trial data of **Prome Max** vs. Competitor Probiotic from a Broiler Farm

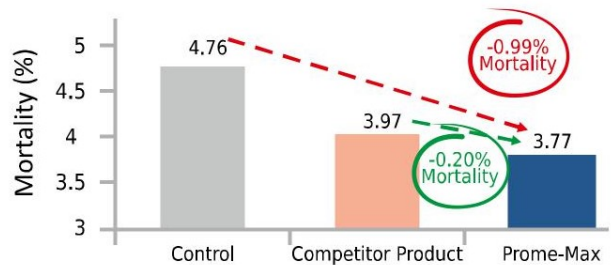
1. The effect of Prome-Max vs Competitor Product on 40 days of broiler growth performance

Treatment	Control**	Competitor Product	Prome-Max
Feed intake (g/bird)	3447	3560	3487
Body weight (g/bird)	1909	1933	1948
FCR (g/g)	1.81	1.84	1.79
FCR corrected 2kg (g/g)	1.83	1.86	1.81
Mortality (%)	4.76	3.97	3.77
EEF	251	252	261
ROI	3.3* w.r.t control		

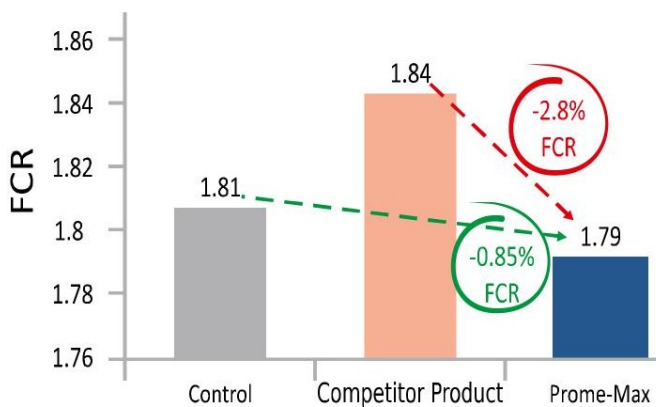
*The reduction in medication costs were not taken into account to calculate the ROI.

** The control group feed was supplemented with Enramycin

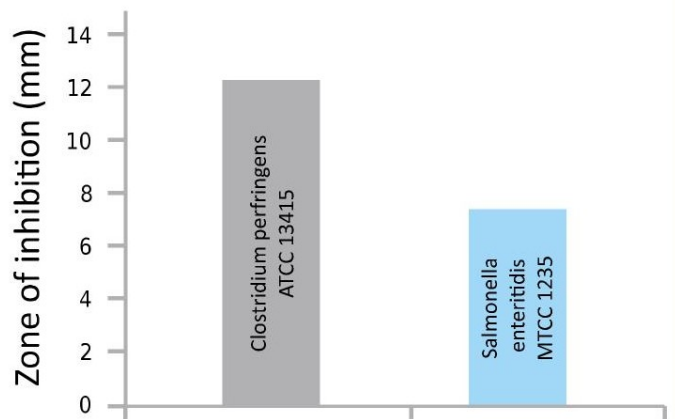
2. Reduction in Mortality rate after addition of Prome-Max to broiler diet



3. Improvement in FCR after addition of Prome-Max to broiler diet



4. Antagonistic spectrum of Prome-Max against pathogenic strains



Conclusions form Field Trials:

- Prome Max** Increase Body Weight by 15g and 39g respectively as compared to Competitor Probiotic & Control
- Prome Max** Reduces Mortality by 0.20% and 0.99% respectively as compared to Competitor Probiotic & Control
- PROME MAX** Improves FCR by 2.8% and 0.85% respectively as compared to Competitor Probiotic & Control
- Prome Max** has Significant action against Necrotic Enteritis caused by *Clostridium perfringens*



Mechanism of Action:

- **Prome Max** contains a combination of Aerobes (*Bacillus subtilis*), Facultative Anaerobes (*Bacillus subtilis* + *Bacillus coagulans*) & Anaerobes (*Bacillus licheniformis*) selected for their effectiveness to thrive and proliferate in the high and low-oxygen environment across the entire poultry gut offering Crop-to-Cloaca Protection
- **Prome Max** prevents the growth of pathogens by producing Short Chain Fatty Acids (SCFA) such as Lactic acid, Butyric acid etc. & Bacteriocins like Coagulin, Amicoumacin, Subtilisin, Bacitracin etc..
- **Prome Max** produces enzymes like Lipases, Amylases, Proteases, etc. which improves digestibility & energy conversion of the feed

Key Benefits:

- **Prome Max** provides Complete Protection from Crop-to-Cloaca
- **Prome Max** has proven activity against *Clostridium perfringens*, *Salmonella enteritidis* & *E.coli*
- **Prome Max** Promotes & Modulates Healthy Gut Microflora
- **Prome Max** ensures Better Weigh Gains, FCR & Higher ROI



Contains Proprietary Sporulating Aerobic, Facultative Anaerobic & Anaerobic Strains of *Bacillus subtilis* (SAN 144 BS), *Bacillus coagulans* (SAN 135 BC) & *Bacillus licheniformis* (SAN 136 BL) which thrive & are highly effective in the foregut, midgut & hindgut – compatible with Antibiotics / Feed Additives / Acidifiers / Enzymes / Minerals / Disinfectants

Available as both
FEED ADDITIVE & WATER SOLUBLE in

- 1 Billion CFU/g,
- 2 Billion CFU/g,
- 4 Billion CFU/g,
- 8 Billion CFU/g,
- 20 Billion CFU/g
& Customized Potencies

Suggested Feeding / Inclusion Rate:

Feed

→ **Prome Max 4B (FS)**

- Chick Crumble: 200g - 250g / MT
- Grower Crumble: 150g - 200g / MT
- Layer & Breeder: 100g - 150g / MT

Physical appearance: Free flowing, off white colour powder

Storage: Store in cool & dry conditions protect from direct sunlight

Shelf life: Best before 24 months from the month of manufacture

Packing: Available in 25kg & Customized Packs

