

Rossari Probiotic Series
ProMezTM FS / ProMezTM WS

ProMez™ - The Gut Health Protection Package

Probiotics are now becoming an integral part of poultry flock health management practices owing to the high prevalence harmful pathogens, development of resistance to AGPs and consumer perceptions (Kabir, 2009). Probiotics are live microorganisms that are beneficial to the host (Czerucka, 2007). Probiotic microbes include bacteria and yeast that work in various ways viz by helping the immune system to fight infectious diseases or to reduce intestinal inflammation or by directly affecting the colonization of other harmful microbes in the GUT

COMPOSITION

Total Viable count 2×10^{10} CFU/g

<i>Enterococcus faecium</i>	<i>Bacillus subtilis</i>
<i>Lactobacillus plantarum</i>	<i>Bacillus licheniformis</i>
<i>Lactobacillus delbrueckii subsp bulgaricus</i>	<i>Bacillus megaterium</i>
<i>Lactobacillus acidophilus</i>	<i>Bacillus mesentericus</i>
<i>Lactobacillus rhamnosus</i>	<i>Bacillus polymyxa</i>
<i>Lactobacillus casei</i>	<i>Streptococcus thermophilus</i>
<i>Bifidobacterium bifidum</i>	<i>Clostridium butyricum</i>
	<i>Saccharomyces boulardii</i>

PROMEZ FEATURES

- Highly concentrated probiotic - 2×10^{10} CFU /g which provides high inoculum for further multiplication
- 15 probiotic strains of multiple species supporting colonization throughout the intestinal length
- Innovative synergistic formulation supporting the growth of beneficial gut microbes
- Inherent microbial capacity provides pellet stable and pH stable formulation, effectively working at desired GUT locations
- Can be added in feed (ProMez™ FS), drinking water (ProMez™ WS) & can be used as a spray application (ProMez™ WS)
- Manufactured at Rossari's state of the art WHO GMP & an ISO 9001:2015 & 14001:2015 certified facility
- No withdrawal period required

PORMEZ BENEFITS

- Promez™ FS can be used as a replacement to probiotics
- ProMez™ WS is of particular value during stress conditions, to maintain GUT health with overall productive & reproductive performances
- ProMez™ FS / WS is highly effective against *Clostridium perfringens*, the causative agent for Necrotic Enteritis (NE)
- ProMez™ FS / WS has beneficial effect on GUT microflora with synergistic activity along with beneficial microbes and inhibitory action on harmful microbes i.e. *Salmonella*, *E.coli*, *Clostridium perfringens*, *Campylobacter spp.* etc.
- ProMez™ FS / WS supports GUT microbial homeostasis, which helps to improve FCR, ROI, body weight, egg production and reduction in flock mortality

ProMez™

Probiotic Trial, Feed Additive version (ProMez™ FS): Commercial Broilers

To evaluate the effect of ProMez™ FS @150 g/tonne of feed on the performance of commercial broilers vis-a-vis other Antibiotic Growth Promoter & Probiotic used in Commercial Poultry feed

TRIAL DESIGN

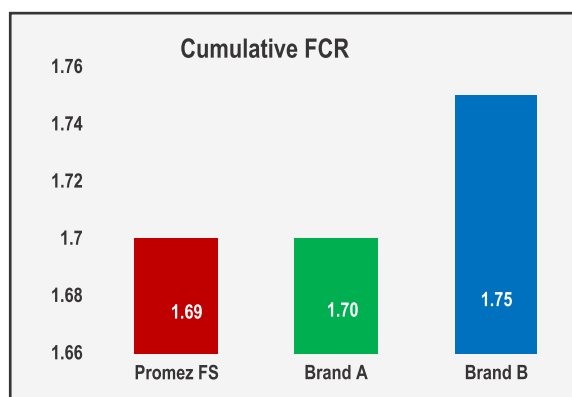
Trial Location: Alephata, Pune

No. of Birds: 400 day old chicks divided into 8 replicates x 50 chicks each and the weekly data were collected on Day 7, 14, 21, 28, 35, 40

TRIAL PARAMETERS

Weekly and Avg. cumulative Body Weight, Feed Consumption, FCR, Mortality

CUMMULATIVE TRIAL DATA



OBSERVATION & RESULTS

- Group I has shown 85 gram saving in feed consumption in comparison to Group III
- Group I has shown significant improvement in FCR by 6 Points in comparison to Group III
- Group I has shown 0.5% and 2% less mortality in comparison Group II and Group III respectively

CONCLUSION

ProMez FS group had a better FCR compared to group maintained on Antibiotic growth promoter (Brand A) & other probiotic (Group III). The cumulative mortality performance was also better as compared to birds maintained on other product application groups. This concludes for better efficacy of ProMez FS on a commercial broiler farm

Probiotic Trial, Water Soluble Version (ProMez™ WS): Commercial Broilers

To evaluate the effect of ProMez™ WS @ 1 g/5 litre of drinking water application on the performance of commercial broilers vis-a-vis other branded water soluble Probiotic

TRIAL DESIGN

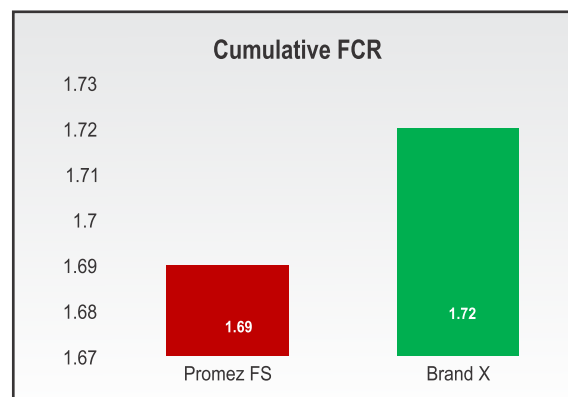
Trial Location: Burdwan, Kolkata

No. of Birds: 400 day old chicks and further divided into 8 replicates x 50 chicks each and the weekly data were collected on Day 7, 14, 21, 28, 35, 40

TRIAL PARAMETERS

Weekly and Avg. cumulative Body Weight, Feed Consumption, FCR, Mortality

CUMMULATIVE TRIAL DATA



OBSERVATION & RESULTS

- Group I has shown 150 gram saving in feed consumption
- Group I has shown significant improvement in FCR by 3 Points
- Group I has shown 0.5% reduced mortality

CONCLUSION

ProMez WS in drinking water application has shown significant improvement in FCR & reduced mortality as compared to other water probiotic application group, demonstrating a better efficacy in the field trial conditions

ProMez™ FS / WS

ProMez™ Mechanism of Action

Competitive Exclusion

ProMez™ FS / WS colonizes in the GUT lumen, outcompeting pathogens for resources that allow them to grow and spread

Improves Digestibility

ProMez™ FS / WS promotes the production of beneficial bacteria that increase enzymatic activity thereby improving digestibility of feed. ProMez™ bacterial strains inherently produce several enzymes to support GUT digestion

Antibacterial Agent

ProMez™ FS / WS bacterial strains produce high levels of antimicrobial metabolites viz. Enterocins, Reuterin, Acidophilin, Lactocidin and Lactolin, H₂O₂, Lactic acid, Coagulin, Subtilisin, Amicoumacin etc. With potent inhibitory action on harmful GUT microbes, thus reducing their damaging impact on host & improving the productive performance

USAGE RECOMMENDATIONS

Promez™ FS

150 g / tonne of complete poultry feed, premixing is recommended to ensure a thorough mix

Promez™ WS

Newly hatched chick

- **Spray:** 150 g / litre water for 5000 chicks (from 3 ft distance & soak for 1 hour before using @ 30 psi pressure)
- **At hatchery:** Immediately on hatching
- **At farm:** Immediately on arrival

Newly placed chick

- 1 g / L of water for initial 5 days after placement (the stress period) followed by 1g / 5 L for continuous usage

Broilers / Breeders / Layers

- 1 g / L water for 5 days during stress period or on initial product application, followed by 1g / 5 L for continuous usage

PRESENTATION

- ProMez™ FS (Feed Additive) : 5 kg Bag
- ProMez™ WS (Water Soluble) : 500 g Jar



ROSSARI BIOTECH LIMITED

(An ISO 9001:2015 & 14001:2015 & GMP Certified Company)

201 A & B, Ackruti Corporate Park, LBS Marg, Next to GE Gardens, Kanjurmarg (W), Mumbai - 400 078. India.
Tel. No.: +91-22-6123 3800, Fax: +91-22-2579 6982, Email : info@rossarimail.com, Website : www.rossari.com