

SPORICH™-total

Multistrain *Bacillus species* spores & *Saccharomyces boulardii* for Poultry

The Total Care Multi-strain Probiotic

SPORICH-total is a full-spectrum cocktail probiotic of extremely effective proprietary, non-haemolytic and non-GMO strains, providing a complete Crop-to-Cloaca gut support by colonizing across the complete digestive tract. Each of the probiotic strains in **SPORICH-total** possesses a unique health benefit & works synergistically to deliver maximum Return on Investment

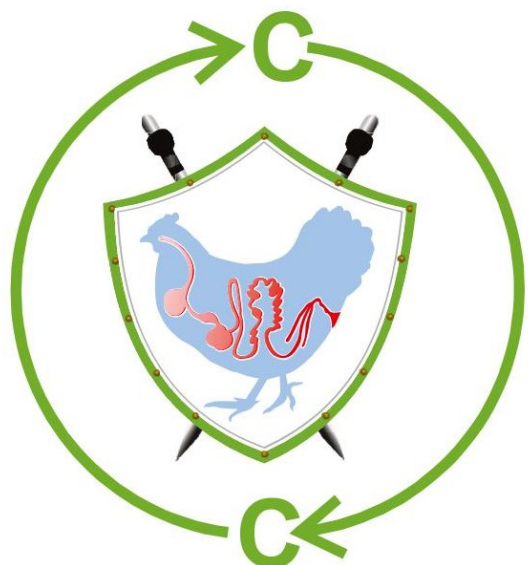
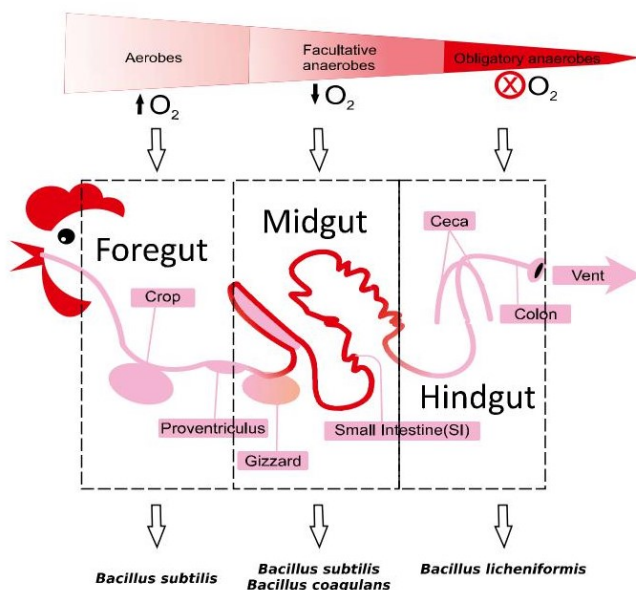
Probiotic species in SPORICH-total:

- *Bacillus subtilis* (SAN 144BS)
- *Bacillus coagulans* (SAN 135BC)
- *Bacillus licheniformis* (SAN 136BL)
- *Saccharomyces boulardii* (SAN 158SB)



Properties of Probiotic species in SPORICH-total:

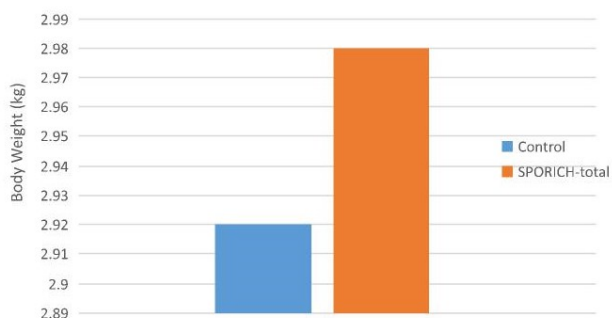
- *Bacillus subtilis* (SAN 144 BS) is a Gram Positive Aerobic & Facultative Anaerobic Probiotic highly effective in the foregut & midgut
- *Bacillus coagulans* (SAN 135 BC) is a Gram Positive Facultative Anaerobic Probiotic highly effective in the midgut
- *Bacillus licheniformis* (SAN 136 BL) is a Gram Positive Anaerobic Probiotic highly effective in the hindgut
- *Saccharomyces boulardii* (SAN 158 SB) is a Monogastric specific Facultative Anaerobe Yeast highly effective in the midgut
- **SPORICH-total** is a combination of Multistrain Aerobic, Facultative Anaerobic & Anaerobic *Bacillus species* & *Saccharomyces boulardii* acting across the gut and providing complete Crop-to-Cloaca Protection



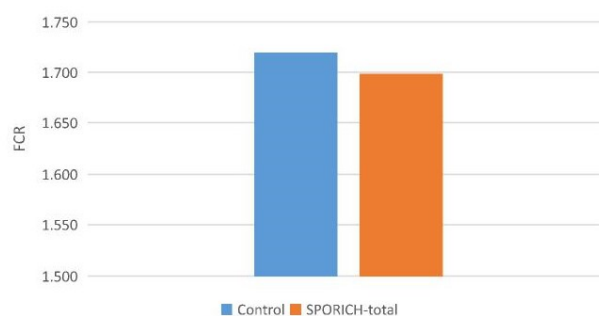
INVIVO STUDIES

Field Trial (Broiler): 40 Days Broiler Trial of SPORICH-total vs. Control

1. Body Weight



2. FCR



Conclusions form Broiler Field Trials:

1. **SPORICH-total** Increase Body Weight by 60g as compared to Control
2. **SPORICH-total** Improves FCR by 1.18% as compared to Control

Field Trial (Broiler) : 1st week Broiler Chicks supplemented with SPORICH-total through Drinking water - Silver capping of litter



Field Trial (Broiler): 40 Days Broiler Trial of SPORICH-total on Litter Dryness & Foot Health on Day of Culling

1. Litter Condition

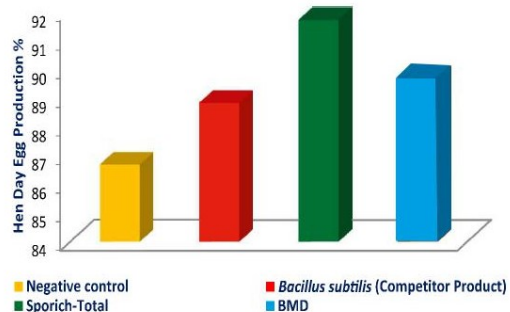


2. Foot Health

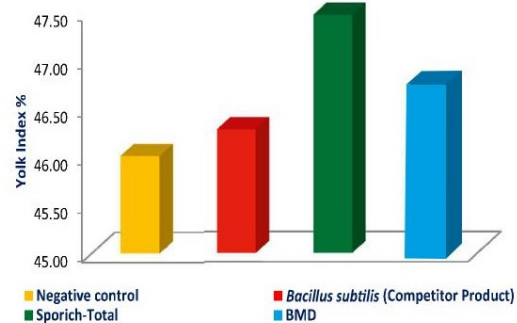


Field Trial (Layer): Comparative 16 Weeks Layer Trial of SPORICH-total vs. BMD vs. Competitive Product vs. Control – during peak laying period

1. Hen Day Egg Production %



2. Yolk Index %



Conclusions form Layer Field Trials:

1. SPORICH-total Increase Hen Day Egg Production Percentage:

1. by 2.22% as compared to BMD
2. by 3.37% as compared to Competitor Product
3. by 5.74% as compared to Control

2. SPORICH-total Increase Yolk Index Percentage:

1. by 1.06% as compared to BMD
2. by 2.15% as compared to Competitor Product
3. by 3.26% as compared to Control

Mechanism of Action:

- **SPORICH-total** Contains a combination of Aerobes, Facultative Anaerobes & Anaerobes selected for their effectiveness to thrive and proliferate in the high and low-oxygen environment across the entire gut.
- **SPORICH-total** Combination creates a Micro-Ecology with an Acidic pH resulting from the production of Volatile Fatty Acids (Acetic, Butyric, Propionic & Lactic acids) & Bacteriocins (Nisin, Pediocin, Pediocin AcH, Leucocin, Reuterin, Colicin, Subtilin, etc.)
- **SPORICH-total** Produces Amylases, Proteases & Lipases which helps in digestion of complex molecules in feed ensuring increased energy conversion

Key Benefits:

- **SPORICH-total** provides Complete Protection from Crop-to-Cloaca
- **SPORICH-total** is Highly Effective against Gut Pathogens & Induces Eubiosis
- **SPORICH-total** Optimises Gut Health, Improves Digestibility & Increases Nutrient Absorption
- **SPORICH-total** Increases Egg Production & Quality
- **SPORICH-total** Improves FCR & Reduces Mortality
- **SPORICH-total** Reduces Wet Litter & Ammonia Production

SPORICHTM-total

SPORICH-total contains Proprietary Aerobic, Facultative Anaerobic & Anaerobic Strains of *Bacillus subtilis* (SAN 144 BS), *Bacillus coagulans* (SAN 135 BC), *Bacillus licheniformis* (SAN 136 BL) & *Saccharomyces boulardii* (SAN 158 SB) 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

- 4 Billion CFU/g,
- 8 Billion CFU/g,
& Customized Potencies

Packing: Available in 25kg & Customized Packs

Suggested Feeding / Inclusion Rate:

Feed

- **SPORICH-total 4B (FS)** @ 100g – 200g / MT

Drinking Water

- **SPORICH-total 4B (WS)** @ 25g – 50g / 1000 Birds / Day

Physical appearance: Free flowing, off white colour powder

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

Shelf life: Best before 18 months from the month of manufacture

