

# TRI-START JR+

## DIRECT-FED MICROBIAL (DFM) AND IGY SOURCE FOR YOUNG CATTLE

Helps stimulate feed intake by repopulating the digestive system with live (viable) naturally occurring microorganisms, aids in gut health, enhances the absorption of nutrients and boosts immunity.



### AVAILABLE PACKAGE SIZES

#### Single-dose tube

- Box = 12 tubes
- Case = 8 - 6 ct. cases

#### Multi-dose tube – 60cc

- Box = 6 tubes
- Case = 6 - 12 ct. cases
- 60cc tube is equivalent to 6 - 10cc doses
- Sanitize between applications

#### Multi-dose tube – 300cc

- Box = 12 tubes
- Case = 4 - 12 ct. cases
- 300cc tube is equivalent to 30 - 10cc doses
- Sanitize between applications

### STORAGE

- Store in a cool, dry place with cap secure.

### RESEARCH-SUPPORTED FEATURES AND BENEFITS

Each individual dose has a guaranteed live (viable) count of 20 billion colony forming units (CFU) of naturally occurring microorganisms selected specifically for the young animal

- Improves gut health by establishing beneficial microbial populations, which crowd out pathogens

Enhances the environment of the digestive tract which activates the naturally occurring beneficial digestive microbes

- Reduces occurrence of scours and promotes gastrointestinal (GI) microflora improving average daily gain

Contains live lactic acid forming bacteria (LABs), live cell yeast and fungal extracts

- Reestablishes beneficial microbial populations following antibiotic treatment, feed changes and other incidences of environmental stress

Includes a short-chain fatty acid

- The coated short-chain fatty acid reaches the lower GI tract to stimulate cell activation, and optimize absorption. The short-chain fatty acid ultimately thickens the mucous in the hind gut making it difficult for pathogens to adhere.

Includes egg protein (IgY) and Mannan-Oligosaccharides (MOS)

- The egg protein antibodies (IgY) and MOS help protect the calf against specific pathogens and are effective in reducing mortality rate and incidence of scours. See specific pathogens in the figure below.

Provides immune development support with Vitamin B, Vitamin C, Vitamin E and Selenium Yeast

- When calves are young and their rumen is still developing, they do not produce Vitamin B - an essential vitamin for conversion of carbohydrates, protein and fats for growth

Single-dose and multi-dose paste tube options

- Paste is easily administered orally

### DIRECTIONS FOR USE

Administer 10cc dose orally

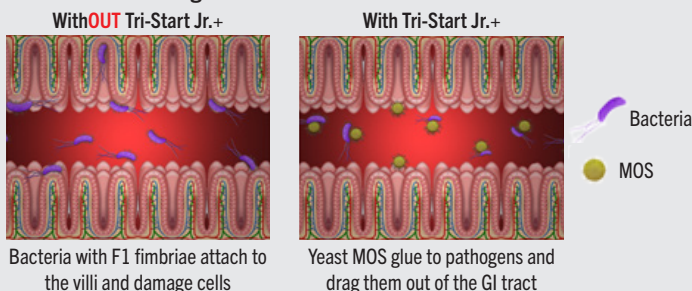
- Following colostrum feeding
- At weaning
- During digestive upsets
- After antibiotic treatment
- When dehorning, castrating, or during any other period of environmental change or health challenge
- 12 hours after final Tri-Purify capsule

### RESEARCH

Pathogen	Common High Risk Pathogen Time Frame For Calves							
	Week of Life							
	1	2	3	4	5	6	7	8
Rotavirus	2-21 days							
Coronavirus	2-21 days							
Salmonella	7 days to weaning							
E. Coli	1-7 days							
Cl. Perfringens	7-28 days							
Cryptosporidia	7-35 days							
Coccidia	2 days to weaning							

\*Please note these are common times when calves are infected. Animals may experience pathogen challenges outside of this time range.

### Yeast Mannan-Oligosaccharides (MOS) Mode of Action



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