RALCO
Nature Elevated by Science™

FIRST PULSE® D

First Pulse® D is a natural oral drench containing bioactives that get baby pigs up and eating quickly by building and supporting a healthy immune function.

HELPS OVERCOME:

- **Poor Appetite**
- **Low Energy**
- **Low Birth Weights**
- **Mortality**
- **Suppressed Immune System**

WHAT'S INSIDE:

Patented Microfused® Essential Oils

Promote a blanced gut microflora and stimulate appetite of baby pigs.

Patented Actifibe® Prebiotic

Feeds beneficial bacteria in the gut to promote competitive exclusion and immune function.

Bioactives From Colostrum

Promote immune function and stimulate appetite.

Complex Energy Source

Provides a boost of energy through an easily absorbable fat source.

RESEARCH HAS SHOWN:

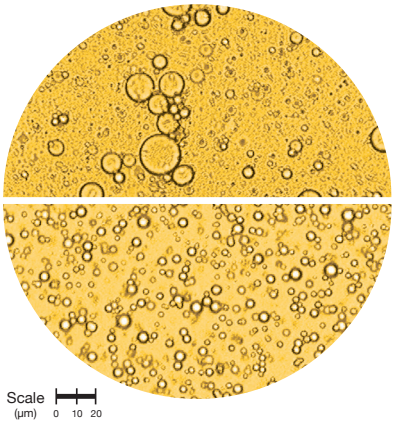
- Reductions in mortality
- Increased wean weight/viability, especially in small pigs

PRODUCT #2020-250

Our products are powered by Ralco technologies that make them the most effective and trusted in the industry.

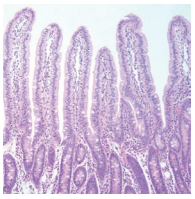
Patented Microfused® Essential Oils

Patented **Microfused Essential Oils** have smaller, more uniform droplets that stay stable over time and temperature. Protected droplets get where they are needed to facilitate and maintain intimate contact.

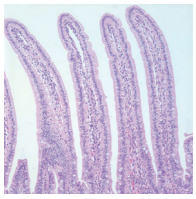


COMPETITOR OIL:
Larger oil droplets in competitive oil products coalesce and become unstable

MICROFUSED ESSENTIAL OILS:
20 times greater surface area; 100 drops per 1 drop of competitor



CONTROL

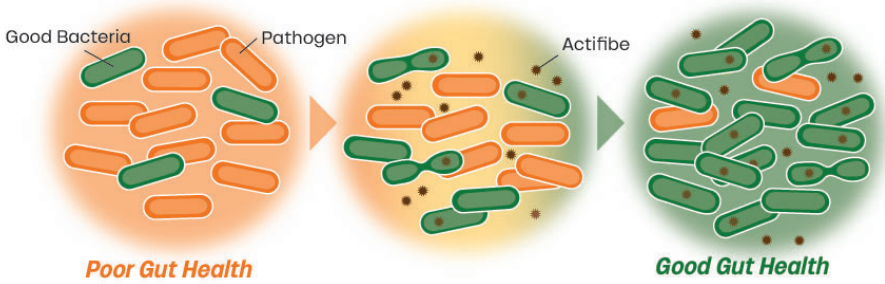


MICROFUSED ESSENTIAL OILS

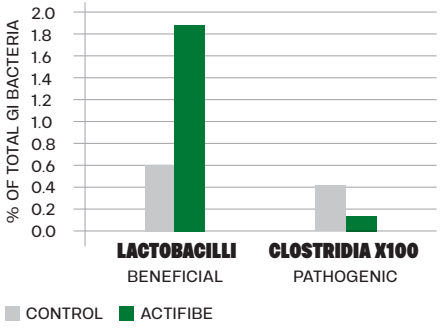
These micrographs demonstrate the increased strength of the villi, which directly contributes to greater nutrient absorption.

Patented Actifibe® Prebiotic

Beneficial bacteria multiply when they feed on **Actifibe** crowding out pathogens for improved health and performance.



ACTIFIBE PREFERENTIALLY PROMOTES BENEFICIAL BACTERIA



Research conducted by Purdue University

PRODUCT	PRODUCT #	SIZE
FIRST PULSE D	2020-250	250 ml Bottle

GUARANTEED ANALYSIS

Crude Protein, min	2.00%
Crude Fat, min	8.00%
Total Soluble Fiber, min	16.29%

RECOMMENDED USE

Give orally 2 ml (1pump) per piglet within the first 24 hours after birth.
Repeat in 24 hours as needed. This can also be used for fall behind pigs.
Give orally 2 ml (1pump) per pig.
Shake well before using and turn the bottle upside down for use.

See label for list of ingredients and expanded product info.