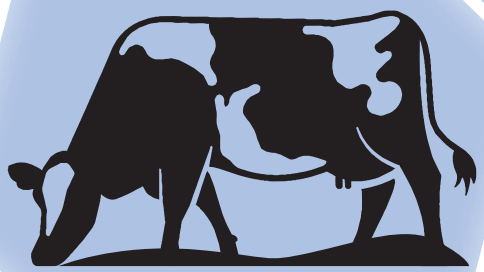
Aristogene

AambroZea™

Phage Probiotic
Natural Solution to Combat Mastitis



Natural Sustainable Profitable

AambroZea™

Phage Probiotic

AambroZea™ developed by Aristogene, is a revolutionary, advanced and all natural phage-probiotic solution designed to eliminate mastitis causing bacteria while preserving beneficial microflora. It is a carefully crafted cocktail of bacteriophages that have undergone rigorous testing for their ablility to kill and eliminate mastitis causing bacteria, safeguarding and supporting udder health.

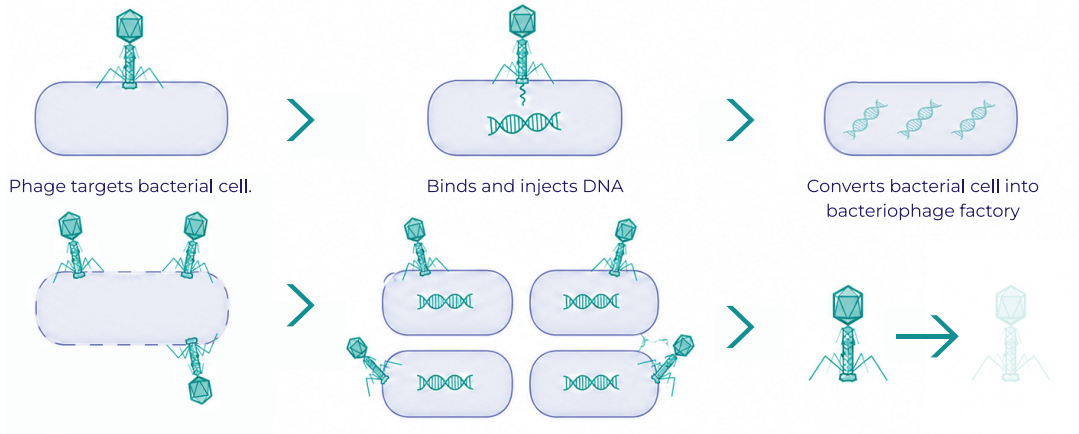
Benefits of *AambroZea™*

- Unique mode of action.
- Non-chemical, Non-toxic and natural alternative to antibiotics.
- No damage to normal beneficial microflora.
- Effective in preventing and controlling mastitis.
- Improves milk quality and quantity by reducing somatic cell count (SCC), as observed in clinical studies.
- The bacteriophages in AambroZea are updated regularly to stay ahead in the fight against mastitis.



Mode of Action

Bacteriophages (translates to 'eaters of bacteria' in Greek) are also commonly known as Phages. They are thought to be the most abundant and diverse life forms on Earth. A lytic phage can rapidly kill a host bacterial cell and in the process, also make copies of itself to attack and kill additional nearby bacterial cells until they have been eliminated.



Phage targets bacterial cell.

Binds and injects DNA

Converts bacterial cell into bacteriophage factory

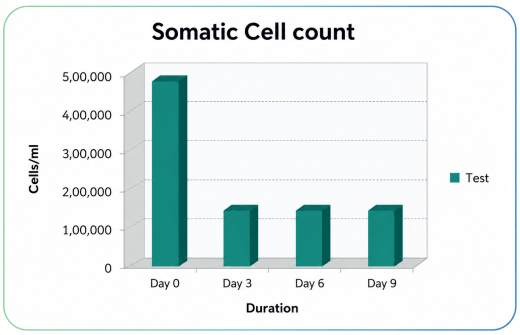
Bacterial cell bursts and new generation of phages are released

Process repeats as new phages encounter target bacteria

Once bacteria is eliminated, phages are cleared naturally.

Clinical Study Data

Field trials have shown that ***AambroZea™*** decreases bacterial cell count and somatic cell count(SCC) with increased milk yield and fat.

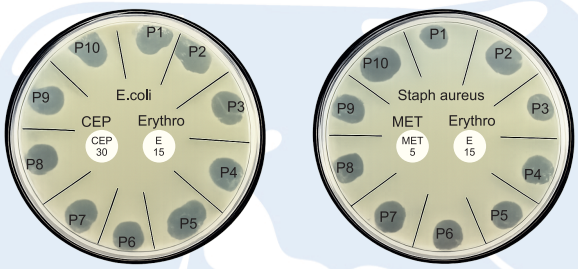


Product Safety

- Acts only in the presence of mastitis causing bacteria.
- Multiplies at the infection site.
- Safe even at higher doses.
- Protects beneficial microflora.
- Phages are self limiting naturally clear after bacterial elemination
- Eco-friendly and sustainable.

Dosage

Sub Clinical / Clinical Mastitis: 100g/200g orally in the morning and evening feed for 5 to 8 days.



E.coli

Staphylococcus aureus

AambroZea was able to lyse antibiotic resistant *E.coli* & *Staphylococcus aureus*

At **Aristogene**, we are at the forefront of innovation and sustainability. Our expertise spans immunodiagnostics, molecular biology, biochemistry, microbiology, and bioinformatics, enabling us to develop advanced bacteriophage-based solutions for aquaculture, poultry, agriculture, and livestock. We are committed to meeting the evolving needs of our customers through continuous innovation and scientific excellence. By integrating the latest technologies into our products, we deliver effective, sustainable solutions that address modern industry challenges.

Our dedication to a cleaner and more sustainable future drives our ongoing research and development efforts. Guided by excellence, innovation, and environmental responsibility, **Aristogene** continues to develop next-generation biological solutions that support animal health and sustainable agriculture.

Aristogene Biosciences has achieved several notable milestones

- BIRAC Innovator Award
- DSIR Recognition
- DBT Project Grants
- India's first Bacteriophage therapy products
- "Global Aquaculture Innovation Award" at the GOAL 2022 conference held in Seattle, USA.



2022 Global Aquaculture Innovation Award WINNER Aristogene Biosciences USSEC goal

DEPARTMENT OF SCIENTIFIC & INDUSTRIAL RESEARCH GOVT OF INDIA DSIR RECOGNIZED RECOGNITION FOR IN HOUSE R&D

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