

bio reme[®]
Bioculture

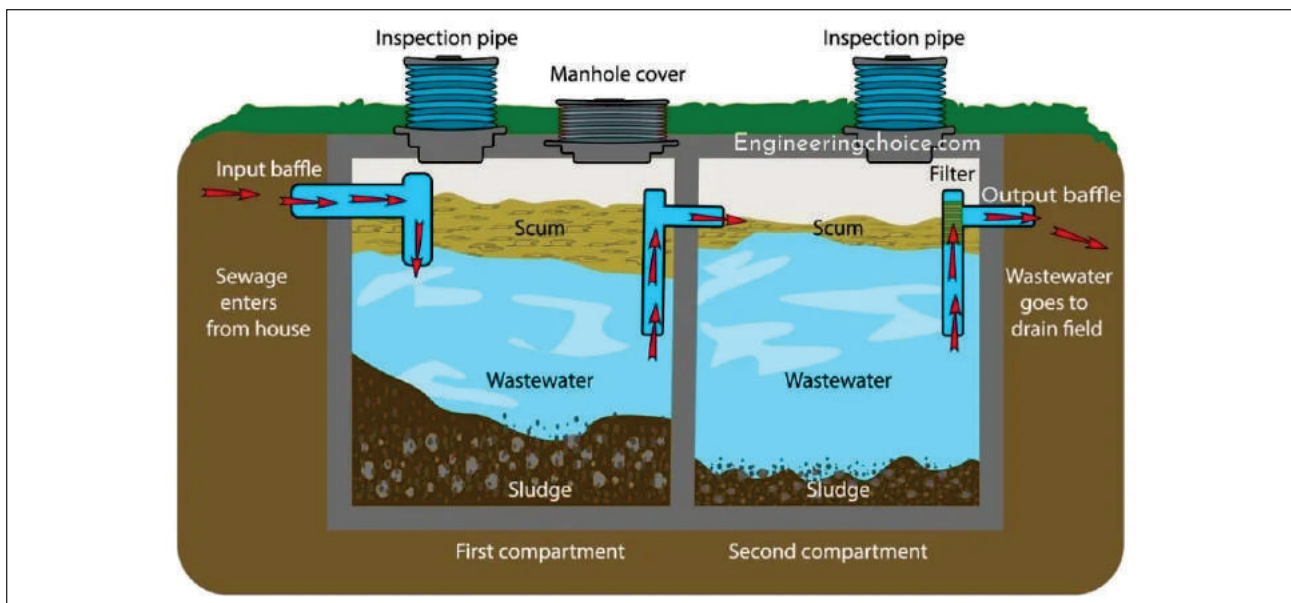


Greencraft Labs
Private Limited

SEPTIC

WHAT IS BIO REME SEPTIC?

Bio Reme Septic consists of a wide variety naturally selected Anaerobic and Facultative bacterial consortium which is used to degrade organic waste from septic tanks, holding tanks and Portable toilets. Bio Reme Septic is single celled microorganisms that rapidly increases its population once they get waste which is food for microbes and stabilize natural degrading ecosystem inside the tank. These microbes are capable to withstand the cleaning agents like phenyl, chlorine bleach, caustic drain cleaners, disinfectants, toilet bowl cleaners, detergent, oil & grease and other chemicals.



When Bio Reme septic is added to any type of septic system, the beneficial bacteria activates and begins to secrete enzymes that digest and decompose feces, urine, grease, fats, food scraps, detergents and other organic wastes. The environmentally harmless microbes in Septic bioculture rapidly multiply in the septic system, thereby restoring its biological health and efficiency.

Bio Reme Septic Bacteria produce group of proteins that are secreted by bacteria naturally. Enzymes are very specific on the kind of organic matter they break down. Unlike bacteria, enzymes are not living things. They neither grow nor reproduce. Enzymes are typically generated by bacteria and they serve as catalysts for anaerobic digestion. Enzymes can be considered as bond breaker that breakdown the complex molecules into smaller molecules that are more palatable for the bacteria. Enzymes, therefore, play a vital role in the septic tank by speeding up the degradation of organic waste by bacteria.

The following are some of the important enzymes produced by bacteria.

- **Protease** – breaks down protein-based waste like blood and fecal matter
- **Lipase** – breaks down fats, greases, and oil
- **Amylase** – breaks down starches like porridge, rice, pasta, etc.
- **Cellulase** – breaks down cellulose e.g., from paper-based products
- **Urease** – breaks down urea
- **Xylanase** – breaks down any plant material like veggies.

Bio Reme upkeep products introduce billions of bacteria and enzymes like amylase, protease, cellulase, and lipase into the septic tank in order to break down the organic matter and help in the digestion process in the tank.





Benefits of Bio reme Septic

- Keeps septic lines and drain fields cleaner with reduced carryover of undigested organic matter.
- When used properly, Septic Bioculture will biodegrade organic blockages in drain field lines, gravel leach pits and porous stone pit walls, and may be able to restore the water flow, thereby saving the extensive costs of digging up and replacing a clogged drain field.
- Reduces the frequency of septic tank pump-outs.
- Reduces foul odors from the septic system.
- Microbial digestion by Bio Reme is the simplest and the cleanest way to reduce the septic tank waste and keep it working efficiently.
- Reduce the excess sludge generation.
- Improve life span of septic tank filling.
- Effective under the most environmental conditions.
- Easy to store, handle and transport.

Performance Properties

pH	6.5-7.5
Temperature	5 to 55°C
Reactivation Rate	99 % after addition to water
Concentration	Highly Concentrated
Shelf Life	2 years

Application Matrix

- Mix Bio Reme 1 kg powder in 50 Liter water (Prefer normal temperature).
- Stir well and remain in bucket for 30 minutes (for bacteria activation)
- Directly Dose at inlet of toilet seat or WC.

Dosage Schedule

1 kg for 5000-liter septic tank. Maintenance Dose: 250 grams per 5000-liter septic tank.

Physical Properties

Appearance	Off White Colour
Physical State	Powdered Form
Odour	Odourless
Moisture Content	6-7 %
Mesh Size	0.6 mm
Packaging	1 kg Aluminium zip lock

Area of Application

- Household Septic tanks
- Commercial Septic Tanks
- Holding Tanks
- Portable Toilets
- Soak pits



Testing & Certifications

- ✓ Certified Non Toxic
- ✓ Certified Temperature Range
- ✓ Certified Non GMO
- ✓ Certified Non Pathogenic
- ✓ Tested for Toxic Metals
- ✓ Bioassay on Fish Done

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