



PureBact

Aerobic Bioculture

PureBact is a series of highly concentrated bacteria culture products that are meticulously designed to elevate the efficiency of your ETPs and STPs. The PureBact series is engineered to enhance biological processes, promoting optimal microbial activity and accelerating the breakdown of contaminants.

With a focus on potency and sustainability, our products empower ETPs and STPs to operate at their full potential, ensuring superior water quality outcomes.

Harness the power of nature with PureBact, where concentrated bacterial cultures meet the forefront of water treatment technology, delivering unparalleled performance and environmental benefits.

AEROBIC BIO CULTURE HOW DOES IT WORK?

Aerobic bacteria require oxygen to survive and reproduce. They are often used in activated sludge treatment systems and are effective at breaking down organic matter, including human and animal waste.

Within an hour after pouring the PureBact into the drain, the bacteria begins to eat their way into the waste that has accumulated on the sides and top of the drain pipe. This is their natural food. **They digest the waste and spread throughout your system, cleaning it completely.**

AREA OF APPLICATION:

- Aeration Tank
- MBBR tanks (Moving Bed Bioreactor)
- SBR Tanks (Sequential Batch Reactor)
- MBR tank (Membrane Bioreactor)



BENEFITS OF USING PUREBACT BIO CULTURE

- Reduction in commissioning time of ETP& STP
- Rapid growth of MLSS with high MLVSS Content
- Supplied in powder form. Easy to use and easy to store
- PureBact supplements useful bacteria into ETP/STP which suppress the growth of harmful bacteria and leads to faster commissioning
- Shock load stabilization
- Reduces BOD & COD and suppresses the foul odor from ETP & STP
- Reduces the overall operational cost of running the plant
- Overall Performance improvement of the plant

The effectiveness of bacteria culture in water treatment is directly related to the quality of the bacteria culture used. High-quality bacteria culture ensures that the microorganisms used in the treatment process are healthy, active, and effective at breaking down pollutants in the water.

Water treatment facilities must regularly test the quality of the bacteria culture to ensure that it is effective and make any necessary adjustments to the treatment process.





100% guarantee on the cell count claimed on packaging

OUR OFFERINGS

PureBact™ 10



1 Billion
CFU/gram of the product

PureBact™ 10 is our economical biological solution. It's primary purpose is to prevent wastewater treatment upsets in Sewage Treatment Plants (STPs), through regular & preventative maintenance dosing.

PureBact™ 20



2 Billion
CFU/gram of the product

PureBact™ 20 is our higher concentration solution to prevent wastewater treatment upsets in domestic, municipal, and industrial settings through regular, preventative maintenance dosing. Also works in STPs where conditions are challenging.

PureBact™ 50



5 Billion
CFU/gram of the product

PureBact™ 50 is a stronger, environmentally preferred, multi-application biological solution to tackle more challenging wastewater situations. Specifically designed to effectively mitigate and prevent wastewater treatment upsets.

PureBact™ 100



10 Billion
CFU/gram of the product

PureBact™ 100 is our ultimate multi-application biological solution. This premium product is specifically designed to swiftly regain control over wastewater treatment systems. It includes a multi enzymatic booster to enhance performance.

*Each product comes with a supply of crucial micronutrients and a high concentration of scientifically selected, safe, and beneficial bacterial strains. These strains demonstrate exceptional performance in both aerobic and anaerobic environments.
Some of the enzymes produced by this solution are protease, lipase, amylase, cellulase, and more.

PHYSICAL PROPERTIES

PUREBACT BIO CULTURE

PHYSICAL PROPERTIES	
APPEARANCE	OFF-WHITE COLOUR
PHYSICAL STATE	POWDER FORM
ODOUR	ODOURLESS
MOISTURE CONTENT	7-8%
MESH SIZE	0.5mm

PERFORMANCE PROPERTIES

PUREBACT BIO CULTURE

PERFORMANCE PROPERTIES	
BEST BEFORE	2 YEARS
TEMP RANGE	5-45 °C
REACTIVATION RATE	98% ON ADDITION TO WATER
CONCENTRATION	HIGHLY CONCENTRATED
CFU AVAILABLE (In billion)	1, 2, 5, 10

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AEROBIC BIO CULTURE



PURE WATER

Pure Water Makes Life Better

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