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### Isolation of *Bacillus megaterium* and its Commercial Importance

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**Abstract :** Isolation of *Bacillus megaterium*, majorly an aerobic spore forming bacterium that is found in widely diverse habitats. The research paper gives a brief account about the bacteria, bacterial sources and its uses for environment and human welfare in brief. The methodology undertaken for the cultivation and isolation of the bacteria by the HiCrome Bacillus Agar medium preparation method is well-reasoned. The physiology and commercial products of *B. megaterium* like amylase, glucose dehydrogenase, *Penicillin amidase*, vitamin B<sub>12</sub>, oxetanocin and other antimicrobial agents and bioremediation are provided with thoughtful clarification. The interpretation part contains the addendum of the bacteria and its application in the market and its potential future.

**Keywords :** *Bacillus megaterium*, Hydroxy Citric acid (HCA), Amylase, Vitamins B12, Glucose Dehydrogenase and Oxetanocin.

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