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(57) Abstract :

The invention provides isolation and enumeration of all types of cyanobacterial cells using N-acetyl-L-cysteine (NAC) added to the common mineral medium. NAC is considered as a biofilm preventing chemical. The present invention includes the optimization and standardization of NAC concentration added in the mineral media. The standardized value of NAC added to media provides a new optimized culture media with modified composition for the growth of cyanobacteria. This isolation technique facilitates the proper enumeration of cyanobacterial cells.

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