

Community Level Physiological Profile, (CLPP) for Environmental Samples using of BIOLOG ECO Plate

BIOLOG Eco Plate™ is used specifically for community analysis and microbial ecological studies to determine community-level physiological profile (CLPP) of various environmental samples such as soil, sludge, sediment and water. The Plate contains 31 most useful carbon sources in triplicate along with tetrazolium redox dye. Environmental samples are inoculated directly into Biolog MicroPlates either as aqueous samples or after making a suspension. The plates are incubated and analyzed at defined time intervals for 2 to 5 days.

Requirements from users:

Minimum 20 ml of water sample and 10 to 15 gm of soil / sediment sample along with completed form and fee (online transfer to NCCS bank account or DD in favor of Director, NCCS). It is highly recommended to use freshly collected environmental sample for BIOLOG ECO PLATE analysis.

Data analysis and reporting:

After every 24 hr. incubation, BIOLOG plates will be read using BIOLOG reader up to 5 days. Depending upon the requirement of customer, only reading in the form of OD (from 0 to 5 days) or analyzed data (for pattern development (similarity) and rate of color change in each well) will be sent to the customer.

Time taken for analysis:

Normally it takes about 10 working days to complete CLPP analysis.

Contact: Service coordinator (mcc@nccs.res.in)

For more information contact:

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