FORM FOR SUBMISSION OF ALGAL CULTURE/PASSPORT DATA
NATIONAL REPOSITORY FOR MICROALGAE AND CYANOBACTERIA- FRESH WATER (NRMC-F)
(DBT-sponsored)
Department of Microbiology Bharathidasan University, Tiruchirappalli- 620 024.

For NRMC-F use only
Requisition Number : L84
Repository Code No :
NRMC-F Number : NRMCF0110

1. Person depositing the strain

Name of the depositor: A. Ilavarasi
Designation: Research Scholar
Address/Affiliation: DMBB, Department of Microbiology, Bharathidasan University, Tiruchirappalli.

Mob. No: E-mail address: ilavarasiasokaraj@gmail.com

Type of culture: ■ Green algae ☐ Cyanobacteria ☐ Diatom

Name of the culture: *Coelastrella* sp
Gene bank accession number if any:

2. Taxonomical information:

Strain identification number (s) assigned: By the collector and/or depositor:
Division: Chlorophyta
Class: Chlorophyceae
Order: Sphaeropleales
Family: Scenedesmaceae
Scientific name with citation of authority: *Coelastrella* sp (Chodat, 1922)
Taxonomical reference used for identification:

3. Maintenance conditions now used

a) Name of the culture media: CHU 10
b) Preferred maintenance conditions:

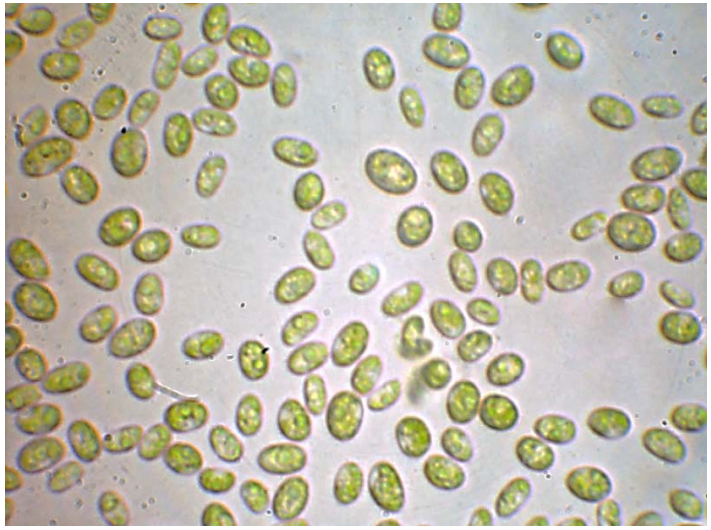
pH **7** Temperature **25° C**

Light Intensity 3000 Lux Salinity **0**

Light period **8 L + 16 D**

Habitat: Fresh water
Place of Collection: BDU, Sooriyur
Latitude and Longitude: 10˚ 49'02.47"; 79˚ 51'72.0"
Purification method: Spread plate

4. Molecular characterization if any

5. Image details

Size: Adult cells- 8.1 x 10.8 µm
Description:
Unicellular, oval shaped cells, Periotal Chloroplast, multiple pyrenoids, Smooth cell wall.