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 : NTDP

Repository Code No :

NRMC-F Number : NRMCF052

1. Person depositing the strain

Name of the depositor: D. Pandiaraj

Designation: Research Scholar

Address/Affiliation: DMBB, Department of Microbiology, Bharathidasan University, Tiruchirappalli.

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

Type of culture: ☐ Green algae ■ Cyanobacteria ☐ Diatom

Name of the culture: *Microcystis aeruginosa* Kutz

Gene bank accession number if any:

2. Taxonomical information

Strain identification number (s) assigned: By the collector and/or depositor: NTDP

Division: Cyanophyta

Class: Cyanophyaceae

Order: Chroococcales

Family: Chroococcaceae

Scientific name with citation of authority: *Microcystis aeruginosa* Kutz

Taxonomical reference used for identification: Cyanophyta, T.V. Desikachary, Pl 17, Fig. 1,2,6 & Pl. 18, Fig. 10.

3. Maintenance conditions now used

a) Name of the culture media: ASM 20

b) Preferred maintenance conditions:

pH **7** Temperature **25° C**

Light Intensity 3000 Lux Salinity **1**

Light period **8 L + 16 D**

Habitat: Freshwater

Place of Collection: Paramakudi, Vaigai river

Latitude & Longitude:

Purification method: Spread plate

4. Molecular characterization if any

5. Image details

Size: 7 µm

Description:

Cells are round and slight elongated, distinct hyaline colonial mucilage, gas vacuoles present