BioLector

Introduction

In this protocol the instructions for the use of the BioLector and how to prepare the samples are given.

Materials

- Liquid Media
- Spore suspensions
- Pipette and tips
- BioLector plate
- Breathable Membrane
- BioLector from m2p-labs

Procedure

1. Create the appropriate program specifying the parameters to be controlled. For *A. niger* the standards are:
    a. Temperature: 30ºC
    b. Agitation: 1000 rpm
    c. Humidity: 85%
2. Select the filters (Biomass, Fluorescence,...) to be used and the cycle time for the readings. Make sure that the water deposit is filled with distilled water (it may need daily refills).
3. Pre-run a warming up program in the BioLector previous to the experiment to ensure that the equipment is at 30ºC and has the specified humidity. For this program place an empty plate inside and no measurements have to be selected.
4. Prepare the plate for the experiment in sterile conditions. If the plate has been used before, clean with ethanol and irradiate it with UV light for 30 minutes.
5. Add 1.5 mL of liquid media and inoculate to achieve a final concentration of 10^6 spores per mL.
6. Seal the plate with a breathable membrane and place it in the BioLector. Ensure proper placement and select the pre-prepared program with the desired parameters.
7. Run the experiment for the required time.
8. Once finished, end the program and remove the plate from the equipment. Export the data and clean the plate.