The present investigation is aimed to increase the diphenyl sulfone yield which was isolated from a new Streptomyces: *S. sulfonensis*. The fermentation studies were carried out in Bioflow IV New Brunswick Scientific Edison N.I, USA 10 litre fermenter. The fermentation was carried-out at 28°C with aeration of 3 litres/minute at 200rpm. The antibiotic production was monitored at regular intervals against *B. subtilis* by cup plate method. The highest titre was (7980 µg/ml) was observed after 108 ~ 120 hours of incubation (Ref: Ellaiah P, Venkateswara Rao VS, Ramakrishna SV, Venkateswarulu Y, Fadnavis N, Annapurna J. Scale-up of Antibiotic Production by Streptomyces sulfonensis. Discovery Biotechnology, 2014, 5(14), 13-15), (Image: microbelog.files.wordpress.com).
Scale-up of Antibiotic Production by Streptomyces sulfonensis

Ellaiah P, Venkateswara Rao VS, Ramakrishna SV, Venkateswarulu Y, Fadnavis N, Annapurna J

The present investigation is aimed to increase the diphenyl sulfone yield which was isolated from a new Streptomycete- S.sulfonensis. The fermentation studies were carried out in Bioflow IV New Brunswick Scientific Edison N.J, USA 10 litre fermenter. The fermentation was carried-out at 28°C with aeration of 3 litres/minute at 200rpm. The antibiotic production was monitored at regular intervals against B.subtilis by cup-plate method. The highest titre was (7980 µg/ml) was observed after 108 – 120 hours of incubation.

*Discovery Biotechnology*. 2014, 5(14), 13-15