Antibiotic sensitivity testing - Pyramimonas, Bigelowiella, Eutreptiella, Neovahlkampfia, Pseudonitzschia

Anna Vanclová and Naoji Yubuki

Abstract

Organisms used for DNA transformation experiments were tested for sensitivity to five antibiotics in two different concentrations. Cell culture growing in F2 media with 3% seawater was divided to fifteen 15ml tubes, i.e. three tubes for testing each of the antibiotics: antibiotic was added to two samples to the final concentrations noted in Table 1, the third tube in the set served as a control. The cultures were incubated under 12h light cycle and 20°C and checked by light microscophy 1, 4, 7 and 19 days after the addition of antibiotics.

antibiotic	puromycin	blasticidin	geneticin	hygromycin	zeocin
concentration 1	5 µg/ml	5 µg/ml	200 µg/ml	200 µg/ml	100 µg/ml
concentration 2	10 µg/ml	10 µg/ml	400 µg/ml	400 µg/ml	200 µg/ml

Table 1: Tested antibiotics and concentrations

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