

The Role of Oxygen on Bacterial Growth.

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Abstract

The Hypothesis is that Aerobic organisms will thrive in mediums containing oxygen which is Tryptocase Soy Broth (TSB) whereas Anaerobic organisms will grow in mediums that lack oxygen (Thioglycolate medium) and Facultative aerobes and Anaerobes grow in both Oxygen deprived and enriched mediums. We have four bacteria that we tested to see if they grow in the presence or absence of Oxygen. They are Clostridium sporogenes, Escherichia coli, Bacillus subtilus and Enterococcus durans. Our predictions are given for each of them. We hypothesize that C.sporogenes will not grow in TSB medium but will grow in Thioglycollate medium, E.coli will grow in both mediums , B.subtillus will grow where oxygen is present but won't grow in Thioglycollate medium and E.durans will grow in both mediums.

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