Micro-anerobics: A method and device for creating an anaerobic atmosphere in microtiter plates (Yissum)

code: 7-2011-2643
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An inexpensive method for laboratory growth of anaerobic bacteria, replacing traditional anaerobic chambers and jars and allowing small-scale growth of bacterial cultures in various types of laboratory plates and test tubes. It also enables storage of small quantity oxygen-sensitive substances as well as real-time measurements of anaerobic chemical, biochemical and microbiological reactions using conventional microplate readers.

Key features of this technology

- Economic
- Simple
- Efficient
- Allows use of small quantity substances and bacterial cultures
- Built-in indicator for level of oxygen
- No limitation on use of plates/ test tubes (material, size etc.)
- Real-time measurements of anaerobic chemical, biochemical and microbiological reactions using conventional microplate readers

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