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OxyBlue™ Anaerobic Indicator Product Insert

OxyBlue™ Anaerobic Indicator is a color based indicator used for confirming the presence of oxygen within a sealed OxyPlate™ and/or container. OxyBlue™ is a useful aid in the confirmation of anaerobiosis when working with anaerobic microorganisms or other oxygen sensitive applications.

Precautions:

OxyBlue™ is for In-Vitro Use only. Use care in handling and disposing of this product. A **Material Safety Data Sheet** is available on our website.

Product Performance:

The formulation of OxyBlue™ contains a methylene blue solution, which provides a visible confirmation of anaerobiosis inside a sealed Oxyplate™ and/or container. When applied to the inside of an OxyPlate™ lid or container, the OxyBlue™ will change from a dark to medium blue coloration to a light blue or white coloration once the sealed environment has reached anaerobiosis.

OxyBlue™ is reusable several times within the same plate / container after being applied by simply resealing the original OxyPlate™ / container used.

Limitations:

Do **not** leave the OxyBlue bottle uncapped for prolonged periods of time, as this will result in the drying of adhesive within the dispenser.

When using OxyBlue™ inside another type of container (instead of an OxyPlate™), the incubation time needed to ensure the appropriate color change may need to be extended.

Handling and Storage Instructions:

OxyBlue™ will arrive at room temperature. The following storage options are listed below:

I. Long Term Storage: Store the product at 2°C to 25°C.

When stored in this manner, the OxyBlue™ bottle will maintain its effectiveness to the printed expiration date on the label. **Refer to label for actual expiration date.**

Instructions for Use:

Uncap the OxyBlue bottle and visually confirming the blue coloration of the OxyBlue™.

Place ~1 mm of OxyBlue™ indicator (a single drop or smear) onto the inside of the OxyPlate™ lid/container by gently squeezing the bottle until a small bead of OxyBlue forms at the tip of the dispenser. Lightly touch the bead to the target surface to transfer the indicator. The bead will release from the dispenser onto the surface. Do not let the bead fall. On average, one bottle should be able to dot 150 plates.

After application, recap the bottle immediately to prevent drying or leakage.

As the environment reaches anaerobic conditions, the color of the OxyBlue™ indicator will change (color change is variable from organism to organism) from a dark to medium blue coloration to a light blue or white coloration in 8 - 24 hours (depending on size of container used) at 35°C - 37°C.

User Quality Control:

Oxyrase, Inc. certifies that samples of each lot were quality control tested and performed acceptably according to Oxyrase, Inc.'s specifications, which include Clinical and Laboratory Standards Institute (M22-A3: Quality Assurance for Commercially Prepared Microbiological Culture Media). The following tests were confirmed:

Stock growth observed on:

Schaedler OxyPlate™ (OSCW - anaerobic) at 37°C.

<u>Organism</u>	<u>ATCC #</u>	<u>Color Results</u>
<i>B. fragilis</i>	25285	White
<i>C. perfringens</i>	13124	White
<i>F. nucleatum</i>	25586	White
<i>P. levii</i>	29147	White
<i>P. anaerobius</i>	27337	White
<i>B. adolescentis</i>	15703	White
<i>P. melaninogenica</i>	25845	White
<i>F. naviforme</i>	25832	White
<i>S. aureus</i>	25923	White
<i>P. mirabilis</i>	12453	White
<i>E. coli</i>	25922	White
Controls (aerobic at 25°C and 37°C)		Blue

To ensure consistency between use, an internal timeline verification may be developed for reaching anaerobic environments based on the organism and container size used.

Guarantee:

We guarantee 3 months of shelf-life from shipment date under recommended storage and use conditions. If a longer shelf-life is needed, this should be arranged at the time your order is placed.

If OxyBlue™ Anaerobic Indicator fails to arrive with at least a 3 month shelf life, arrive contaminated and or oxidized, or fail when used as specified under recommended storage and use conditions, Oxyrase, Inc. will refund your purchase price. To receive a product refund, write or call Oxyrase Inc. with the product lot number printed directly on the plate in question (a return of defective product may be required for further investigation and evaluation). Oxyrase, Inc. is available to answer any questions about this product and its applications.

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