



OXYRASE®

Oxyrase, Inc.

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ANASELECT BLOOD AGAR OXYPRAS WITH OXYRASE® (A)

USE

This medium is used to resolve isolation of anaerobes from mixed cultures containing facultative anaerobes and aerobes.

PRINCIPLE

Brucella medium with blood, vitamin K₁, and hemin is an enriched, general purpose medium useful for the isolation of anaerobes (1,2,3). Vitamin K₁ and hemin provide nutrients for some strains of the pigmenting *Bacterioides* group, and enhance the growth of some *Bacteroides sp.* and some gram-positive non-spore forming anaerobes (4,5). Defibrinated sheep blood provides additional nutrients and enables the demonstration of hemolytic reactions. Sodium Azide inhibits facultative bacteria such as *E. coli* and *P. mirabilis*. Oxyrase® is used during media preparation and in the final product to meet PRAS media specifications for anaerobes(6). Growth of anaerobes on AnaSelect OxyPRAS plates requires anaerobic incubation in jars, bags, or chambers (6).

FORMULA PER LITER

Pancreatic Digest of Casein	10.0 g
Peptic Digest of Animal Tissue	10.0
Yeast extract	2.0
Sodium Chloride	5.0
Dextrose	1.0
Sodium Bisulfite	0.1
L-Cysteine	0.4
Agar	22.0
Sodium Azide	0.06
Hemin	5.0 mg
Vitamin K ₁	1.0
Sheep Blood	50.0 ml
Deionized water	1000.0
Maintained with Oxyrase®	

This formula is typical. Production lots may be adjusted, if necessary, to offset variances in raw materials in order to meet performance criteria.

STORAGE OF OXYPRAS

When you receive AnaSelect OxyPRAS plates, you have two storage options. Either, store at 2 - 8 C (cold temperature), or store at 20 - 25 C (room temperature). If you want extended shelf-life, then store the plates at cold temperature. Expiration date for plates stored at 2 - 8 C is 6 months from the date of manufacture. Expiration date for plates stored at 20- 25 C is 3 months from the date of manufacture. See Label for actual expiration date for each condition.

Store OxyPRAS plates in an inverted position and protect from light.

(A) US Patent #7,374,905 B2

LAB 0099.V.001

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USE OF AnaSelect OXYPRAS

Before use, warm the AnaSelect OxyPRAS plate to room temperature. Remove the plate from the protective pouch. Examine plates for contamination, expiration date, and evidence of deterioration such as dried agar or discoloration (i.e. change blue-red to a bright red).

After inoculating, invert the AnaSelect OxyPRAS plate and incubate it in an anaerobic bag, jar, or chamber at the appropriate temperature for 48 hours or longer. Use appropriate indicator inside the bag, jar, or chamber to test for anaerobiosis.

LIMITATIONS OF PROCEDURE

Further testing is required to identify colonies. Biochemical and serological procedures may be found in appropriate references.

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 standards specified in Document M22-A3, Quality Assurance for Commercially Prepared Microbiological Culture Media. The following tests were performed.

RESULTS

<u>Organism</u>	<u>ATCC #</u>	<u>Results</u>
* <i>B. fragilis</i>	25285	growth in 2-5 days
* <i>C. perfringens</i>	13124	growth, double zone hemolysis in 2-5 days
* <i>F. nucleatum</i>	25586	growth in 2-5 days
* <i>P. levii</i>	29147	growth, brown-black pigmentation in 2-5 days
* <i>P. anaerobius</i>	27337	growth in 2-5 days
* <i>P. mirabilis</i>	12453	inhibited growth in 2-5 days
* <i>E. coli</i>	29552	inhibited growth in 2-5 days

*Recommended strains for user quality control.

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