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OxyPRAS Plus StrictAna Blood Agar Plate
Product Insert

OxyPRAS Plus® StrictAna Blood Agar Plates are used for the isolation and cultivation of obligately anaerobic bacteria from a variety of clinical and non-clinical materials. Gentamicin is a selective agent that is inhibitory to most facultatively anaerobic bacteria, such as *Enterobacteriaceae, Neisseria, and Staphylococcus* spp.

Precautions:
OxyPRAS Plus® StrictAna Blood Agar Plates are for In-Vitro Use only. OxyPRAS Plus® StrictAna Blood Agar Plates are packaged aseptically and must be handled aseptically to maintain sterility during use. A **Safety Data Sheet** is available on our website.

Product Characteristics:
Brucella medium with blood, vitamin K1, hemin, and gentamicin is an enriched medium useful for the isolation of obligately anaerobic bacteria (1,2,3). Vitamin K_1 and hemin provide nutrients for some strains of the pigmenting *Bacteroides* 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. Some beta hemolytic species may produce greenish reactions that could be mistaken for alpha hemolysis because of the relatively high content of carbohydrates in the medium. Gentamicin is an aminoglycoside antibiotic. It is a selective agent that is inhibitory to most facultatively anaerobic bacteria, such as *Enterobacteriaceae, Neisseria, and Staphylococcus* spp.

The Oxyrase® Enzyme System used in OxyPRAS Plus® plates provides a reduced medium **before** sterilization and maintains the medium in a reduced state for storage and during use. The Oxyrase® Enzyme System prevents the formation of undesirable oxidation products in these PRAS plates. Growth of anaerobes on OxyPRAS Plus® plates requires anaerobic incubation in jars, bags, or chambers.

Media Formulation (per liter)	Initial pH: 7.3 (+/- 0.2)
Enzymatic Digest of Casein	10.0 g
Enzymatic Digest of Animal Tissue	10.0 g
Yeast extract	2.0 g
Sodium Chloride	5.0 g
Dextrose	1.0 g
Sodium Bisulfite	0.1 g
L-Cysteine	1.0 g
Agar	15.0 g
Hemin	5.0 mg
Vitamin K_1	1.0 mg
Gentamicin	0.1g
Sheep Blood	50.0 mL
Oxyrase® Enzyme System	- proprietary -
Deionized water	(made up to final volume)

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

Limitations:
Plates allow for growth of strict anaerobes. Additional testing may be required to identify various colony types grown.

The Oxyrase® Enzyme System contains a penicillin-binding protein that may interfere with penicillin and some related antibiotics.

Handling and Storage Instructions:
OxyPRAS Plus® StrictAna Blood Agar Plates will arrive at room temperature.

Storage: Store the product at 2°C - 8°C. Expiration date is **3 months** from the date of manufacture.

Refer to plate/label for actual expiration date.

Instructions for Use:
Before use, allow OxyPRAS Plus® StrictAna Blood Agar Plates to warm to room temperature. Remove the plate from the protective pouch. Examine plates for contamination, evidence of oxidation/discoloration (i.e., plate is bright red, instead of dark red), and the expiration date.

After inoculation is complete, invert plates and incubate in an anaerobic bag, jar, or chamber to maintain an anaerobic environment. Use an appropriate indicator (such as OxyBlue™) inside the plate, bag, jar, or chamber to test/confirm anaerobiosis.

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:

Organism	ATCC #	Results
B. fragilis	25285	Growth in 2-3 days
C. perfringens	13124	Growth in 2-3; hemolysis
S. aureus	25923	Inhibition
P. melaninogenica	25845	Growth in 2-3 days
P. anaerobius	27337	Growth in 2-3 days
P. mirabilis	12453	Inhibition
E. coli	25922	Inhibition

Guarantee:
We guarantee you will receive a shelf life of 30 days from the date of shipment. If a longer shelf life is needed, this should be arranged at the time your order is placed.

OxyPRAS Plus® StrictAna Blood Agar Plates fail to arrive with at least a 4-week shelf life, are contaminated 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.

ATCC is a trademark of the American Type Culture Collection
July 2025 Oxyrase, Inc. LAB.0404.v001

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