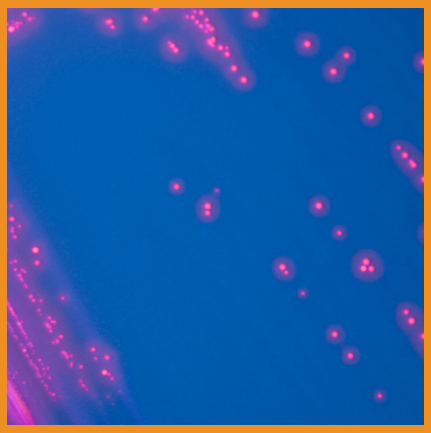
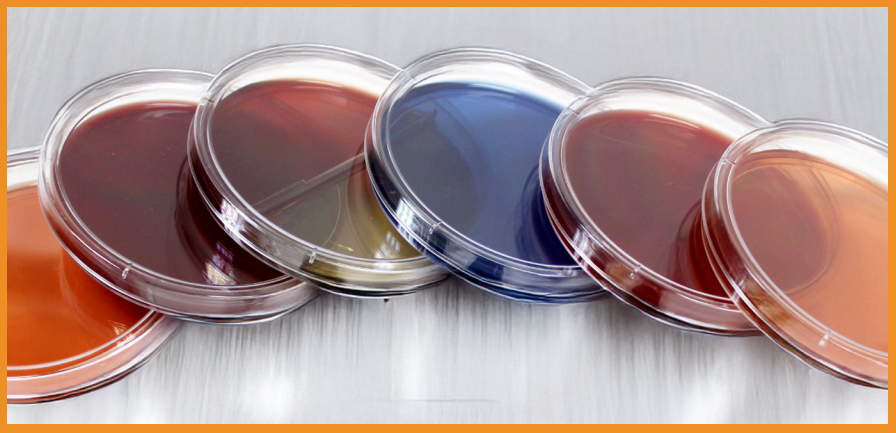
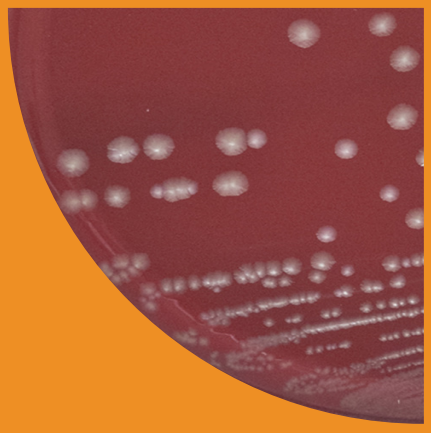






TruPRAS Media

Anaerobe Systems
THE OXYGEN-FREE SPECIALISTS
A BIOLOG BRAND

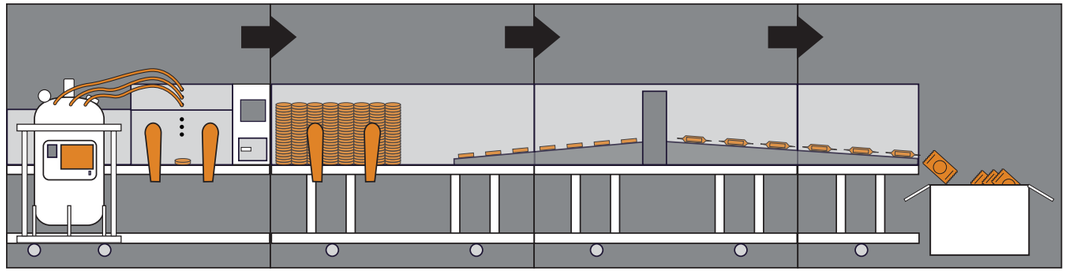
biolog

Oxygen-Free Means No Damage

Anaerobes grow and thrive without oxygen; even trace amounts of oxygen can be toxic to obligate anaerobes. Fast, accurate, and repeatable isolation and identification of anaerobes is a critical part of clinical diagnosis, microbiome research, and commercial processes for food, beverages, and pharmaceuticals. We are dedicated to preparing the best media for all of these purposes.

From pouring to packaging, the absence of oxygen in TruPRAS™ media prevents the formation of harmful byproducts. When opened in oxygen-free conditions, you can be sure that oxidative damage is ruled out as a variable. And since it can be stable at room temperature and is ready to use right out of the package, oxygen-free also means no wasted time.

TruPRAS Media Process



Nutritive media is mixed in autoclaved bioreactor and dispensed.	Media on plates is cooled and inspected for quality control.	Plates are sealed in anaerobic packaging.	The entire process is managed under Oxygen-Free conditions and media NEVER comes in contact with oxygen.

This brochure does not contain an exhaustive list of all of our media products. We can also support your work with custom formulations. Additionally, any broth media can be poured into larger bottles, and agar plates can be poured in special or custom-sized dishes.

Unmatched Anaerobic Expertise

Anaerobic organisms play critical roles in health and disease pathology of humans and animals, as well as important roles throughout Earth's ecosystems. Isolating and culturing these fastidious organisms with consistent results requires specialized conditions.

Researchers and clinicians working with anaerobic organisms in any sector benefit from Anaerobe Systems' decades of experience with formulating and manufacturing special nutritive media that never come into contact with oxygen.

We provide a wide range of media for specimen collection and transport, enriched plated agar media, and enriched liquid media specifically designed for culturing even organisms that were previously thought to be unculturable.

Learn more about our best-in-class anaerobic chambers!

Download a brochure and check them out at biolog.com

Which types of TruPRAS media do I need?

Enriched Plated Agar Media

Non-selective

BRU
YCFAC
CHOC
TSA-NAM
MTGE

Non-selective, differential

EYA
BHIY-HT
ETSA

Selective

LKV
PEA
CAMPY
TSBV
CCFA-HT
FSA
P.GING
LMRS

Selective, differential

BBE
BIFIDO
MSAT
ETSA-NV
CCFA
CCFA-L
CVE

For yeasts and molds

TSA-TL
YMEA

Enriched Liquid Media

Non-selective

THIO
BHI
BRU
CM
CMG
CMC
PY
PYG
MTGE
YCFAC
OTEB

Selective

CAMPY-THIO
LMRS
CCMB-TAL

Specimen Collection & Transport Media

Tissue/solid samples

ATTM-SP
ATTM
LDT
DTM

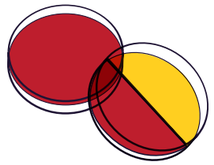
Injected aspirates/ liquid samples

ATM-SP
ATM
LDT
DTM

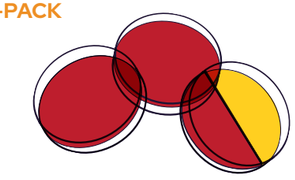
Convenience Packs of Plated Media

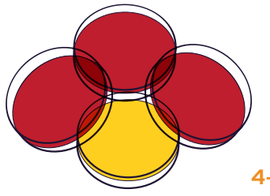
Use what you need with convenient packages of 2, 3, or 4 plates that contain all the necessary media types in one easy-to-open package. Whether using the plates for one or multiple specimens, the media is always fresh.

2-PACK



3-PACK





4-PACK

BRU BBE/LKV - 2-pack

— AS-302 One of each plate per package

Can be used as a simplified primary setup for an anaerobic culture workup. Package contains a Brucella Blood Agar mono plate (BRU) and Laked Blood Agar with Kanamycin Vancomycin / Bacteroides Bile Esculin Agar bi-plate (BBE/LKV).

BRU BBE/PEA - 2-pack

— AS-322 One of each plate per package

Can be used as a simplified primary setup for an anaerobic culture workup. Package contains a Brucella Blood Agar mono plate (BRU) and a Phenylethyl Alcohol Blood Agar/Bacteroides Bile Esculin Agar bi-plate (BBE/PEA).

BRU PEA & LKV Mono Plates - 3-pack

— AS-303 One of each plate per package

Can be used as a simplified primary setup for an anaerobic culture workup. Package contains a Brucella Blood Agar mono plate (BRU), a Phenylethyl Alcohol Blood Agar mono plate (PEA), and a Laked Blood Kanamycin Vancomycin mono plate (LKV).

BRU PEA Mono Plates & BBE/LKV Biplate - 3-pack

— AS-323 One of each plate per package

The standard primary setup for an anaerobic culture workup. Package contains a Brucella Blood Agar mono plate (BRU), a Phenylethyl Alcohol Blood Agar mono plate (PEA), and a Laked Blood Agar with Kanamycin Vancomycin / Bacteroides Bile Esculin Agar bi-plate (BBE/LKV).

BRU PEA LKV & BBE Mono Plates - 4-pack

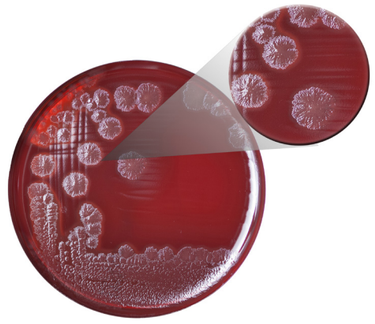
— AS-444 One of each plate per package

Expanded version of the primary setup for an anaerobic culture workup. Package contains Brucella Blood Agar (BRU), Phenylethyl Alcohol Blood Agar (PEA), Laked Blood Kanamycin Vancomycin (LKV), and Bacteroides Bile Esculin Agar (BBE) mono plates.

Plated Culture Media

Brucella Blood Agar with Vitamin K & Hemin (BRU)

- AS-111 One plate per package
- AS-141 Four plates per package
- AS-614 150 mm plate, one plate per package



BRU is an enriched, non-selective medium for isolating, quantifying, and partially identifying anaerobic bacteria. It also supports aerobic and microaerophilic growth under proper incubation. BRU is suitable for susceptibility testing, antibiotic disc assays, and spot biochemical tests. It contains vitamin K_1 and hemin to support *Prevotella melaninogenica* recovery and pigment production, and sheep blood for detecting hemolysis, including the double-zone beta-hemolysis of *Clostridium perfringens*.

Unopened package has shelf life of up to 3 months at room temperature.

Laked Blood Agar with Kanamycin & Vancomycin (LKV)

- AS-112 One plate per package
- AS-142 Four plates per package

LKV is an enriched, selective medium for isolation and partial identification of obligate anaerobic gram-negative bacilli. Vancomycin and kanamycin suppress gram-positive and facultative anaerobic gram-negative bacteria, respectively. Laked sheep blood and vitamin K_1 support *Prevotella melaninogenica* recovery and pigment production.

Unopened package has shelf life of up to 3 months at room temperature.

Phenylethyl Alcohol Blood Agar (PEA)

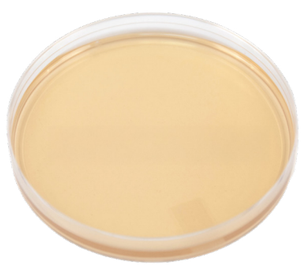
- AS-113 One plate per package
- AS-143 Four plates per package

PEA is an enriched, selective medium for isolating obligate anaerobes from a specimen. Phenylethyl alcohol inhibits facultative gram-negative bacteria and prevents swarming. PEA supports most obligate anaerobes and is especially useful for isolating anaerobes from mixed cultures with rapidly growing organisms like *Proteus* species.

Unopened package has shelf life of up to 3 months at room temperature.

Brain Heart Infusion (BHI)

- AS-6426 Four plates per package

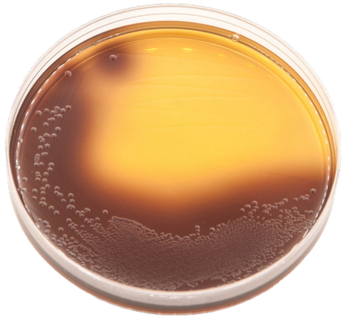


BHI is an enriched, non-selective media for the cultivation of a wide variety of microorganisms. The basic nutritive properties of this media are brain heart infusion from solids, meat peptone, and yeast extract. Dextrose provides a carbohydrate source for the fermentative microorganisms, and hemin and vitamin K_1 are added for the enhanced recovery of anaerobes.

Unopened package has shelf life of up to 3 months at room temperature.

Bacteroides Bile Esculin Agar (BBE)

- AS-114 One plate per package
- AS-144 Four plates per package



BBE is an enriched, selective, and differential medium for isolating and presumptively identifying obligate anaerobic gram-negative bacilli of the *Bacteroides fragilis* group. It contains gentamicin to inhibit most facultative anaerobes and bile to suppress anaerobic gram-negative rods, except *Bacteroides* group and *Bilophila wadsworthia*. Esculin hydrolysis produces a brown to black color, aiding identification. Hemin is included as a growth factor and for catalase testing.

Unopened package has shelf life of up to 3 months at room temperature.

Chocolate Agar (CHOC)

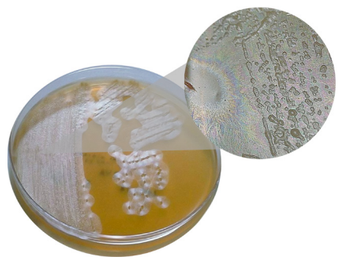
- AS-214 One plate per package, minimum order 100 packages
- AS-244 Four plates per package, minimum order 25 packages

CHOC is an enriched medium recommended for the isolation and cultivation of fastidious organisms. Supplement VX provides NAD to support the growth of *Haemophilus influenzae*, *Neisseria gonorrhoeae*, and *Neisseria meningitidis*. Heated horse blood gives the medium its characteristic "chocolate" appearance.

Unopened package has shelf life of up to 6 months at 2-8° C.

Egg Yolk Agar (EYA)

- AS-511 One plate per package

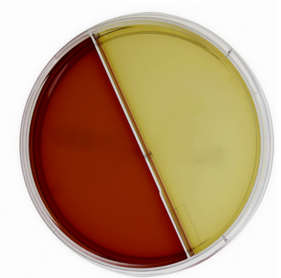


EYA is an enriched, non-selective, differential medium used for the presumptive identification of *Clostridium* species. Egg yolk allows detection of lecithinase (opaque precipitate), lipase (iridescent sheen), and proteolytic activity (clearing around colonies). The medium is supplemented with vitamin K_1 and hemin to support anaerobe recovery.

Unopened package has shelf life of up to 3 months at room temperature.

BBE/LKV bi-plate

- AS-212 One plate per package
- AS-242 Four plates per package



Contains a bi-plate with Bacteroides Bile Esculin Agar and Laked Blood Agar with Kanamycin Vancomycin.

Unopened package has shelf life of up to 3 months at room temperature.

Specimen Collection & Transport Media

Reducing agents and visual oxygen indicators help prevent oxidation when adding samples, whether injecting liquid aspirates or adding solid specimens. This is the transport media recommended by leading clinical diagnostics laboratories for anaerobic specimen collection.

Anaerobic Transport Medium (ATM)

— AS-911 Ten tubes per package
— AS-914 Ten tubes individually sealed in surgical barrier system, (ATM-SP)

ATM is a mineral salt-based, semi-solid medium with reducing agents, designed to maintain microbial viability during the collection, transport, and shipment of specimens. It contains sodium thioglycolate and cysteine to create a reduced environment, and resazurin as a redox indicator, which turns pink or blue upon oxygen exposure. ATM is formulated to preserve viability without significant microbial growth and to dilute organisms present in a specimen. It meets the stringent viability requirements of obligate anaerobes. All tubes are sealed with hungate-style screw caps containing rubber septa, allowing for direct injection of aspirates or introduction of tissue samples. For AS-914, the contents and outer surface of the tubes are decontaminated for use in aseptic surgical environments.

Unopened package has shelf life of up to 5 months (AS-914) or 1 year (AS-911) at room temperature.

Anaerobic Tissue Transport Medium (ATTM)

— AS-919 Five tubes per package
— AS-915 Five tubes individually sealed in surgical barrier system, (ATTM-SP)

ATTM is a mineral salt-based, semi-solid medium with reducing agents, designed to maintain microbial viability during the collection, transport, and shipment of specimens. It contains sodium thioglycolate and cysteine to create a reduced environment, and resazurin as a redox indicator, which turns pink or blue upon oxygen exposure. ATTM provides an environment that dilutes inhibitory substances materials while preserving viability. It meets the stringent viability requirements of obligate anaerobes. The tubes are sealed with phenolic, rubber-lined caps to allow direct introduction of tissue samples into the medium. For AS-915, the contents and outer surface of the tubes are decontaminated for use in aseptic surgical environments.

Unopened package has shelf life of up to 6 months (AS-915) or 1 year (AS-919) at room temperature.

Dental Transport Medium (DTM)
Liquid Dental Transport Medium (LDT)

— AS-920 Ten tubes per package (DTM)
— AS-916 Ten tubes per package (LDT)

DTM is a mineral salt-based semi-solid medium, and LDT is a mineral salt-based liquid medium. Both are formulated with reducing agents and serve as holding media to maintain microbial viability, especially anaerobic bacteria, during the collection, transport, and shipment of specimens. Sodium thioglycolate and cysteine create a reduced environment that preserves viability without significant microbial growth and allows dilution of inhibitory substances in materials. These media are designed to meet the stringent viability requirements of obligate anaerobes. All tubes are fitted with screw caps containing rubber septa, allowing for direct injection of aspirated materials.

Unopened package has shelf life of up to 1 year at room temperature.

Liquid Culture Media

TruPRAS broth media, produced under Anaerobe Systems' patented manufacturing and packaging procedures, is the most cost-effective method of recovering anaerobes on a per-test basis. Performance pays for itself.

Note that all broth media tubes have a hungate-style cap with a rubber septum, allowing for samples to be injected without removing the cap.
All liquid culture media is also available in 250 and 500 mL bottles.

Brucella Broth (BRU BROTH)

— AS-105 Ten tubes per package (4 mL)

BRU BROTH is an enriched non-selective medium intended for the cultivation of most anaerobic bacteria and other fastidious micro-organisms. This medium will also support the growth of aerobic and microaerophilic bacteria is incubated correctly. BRU BROTH is also suitable for inoculum preparation used in susceptibility testing. This medium consists of peptones from a variety of sources to facilitate the growth of a wide variety of organisms. Yeast extract is provided as a source of trace vitamins and micronutrients. A relatively small amount of dextrose is added as a carbohydrate source to prevent acid build up. It is supplemented with vitamin K_1 and hemin to facilitate the recovery and growth of *Prevotella melaninogenica*.

Unopened package has shelf life of up to 1 year at room temperature.

Brain Heart Infusion Broth (BHI)

— AS-872 Ten tubes per package (5 mL)

BHI is an enriched non-selective medium intended for the cultivation of most anaerobic bacteria and other fastidious microorganisms. This medium is used in the inoculum preparation for antimicrobial susceptibility testing. It is especially useful as a base for blood cultures and is also used in the broth disc antimicrobial test procedure as described by Wilkins and Theil. This medium will also support the growth of aerobic microorganisms from a variety of clinical and non-clinical specimens. BHI is an infusion from brains and beef heart and is supplemented with vitamin K_1 and hemin as growth factors. This medium contains resazurin as a redox indicator which turns the broth from a yellowish to a pinkish color upon oxygen exposure.

Unopened package has shelf life of up to 1 year at room temperature.

Chopped Meat Medium (CM)
Chopped Meat Medium with Glucose (CMG)
Chopped Meat Medium with Carbohydrates (CMC)

— AS-811 Ten tubes per package (CM)
— AS-813 Ten tubes per package (CMG)
— AS-823 Ten tubes per package (CMC)

Chopped Meat Medium is an enriched, non-selective, differential medium that supports the growth of most non-spore-forming and spore-forming anaerobes associated with human and animal infections. Variants such as CM, CMG, and CMC are useful for maintaining stock cultures, supporting mixed cultures, promoting sporulation, proteolysis, and facilitating toxin production by certain *Clostridium* species. These media can also be used to preserve clostridial cultures by freezing the organism directly in the tubes. CM, CMG, and CMC are capable of initiating growth from minimal inocula and maintaining organism viability over extended periods. They also support the proliferation of slower-growing organisms within mixed cultures, even in the presence of more rapidly reproducing species. These media are commonly used to demonstrate clostridial toxin production and short-chain organic acid production via gas chromatography. Chopped Meat Media are formulated to meet the stringent viability requirements of obligate anaerobes.

Unopened package has shelf life of up to 1 year at room temperature.

Thioglycolate Broth (THIO)

— AS-801 Ten tubes per package (7 mL)
— AS-805 Ten tubes per package (5 mL)

THIO is an enriched liquid medium that supports the growth of microaerophilic and anerobic bacteria, including fastidious organisms from specimens. It is suitable for cultivating both spore-forming and non-spore-forming anaerobes. A small amount of agar is included to slow oxygen diffusion, while a marble chip (calcium chloride) provides pH buffering and a constant carbon source.

Unopened package has shelf life of up to 1 year at room temperature.

Campylobacter-Thioglycolate Broth (CAMPY-THIO)

— AS-807 Ten tubes per package, minimum order 15 packages

CAMPY-THIO is a selective enrichment broth for *Campylobacter* species. It is a thioglycolate medium supplemented with antibiotics based on Blaser's formulation, except Cephalothin, which has been omitted, and features an increased concentration of Polymyxin B to inhibit overgrowth of other bacteria. A low agar concentration is added to reduce oxygen diffusion within the medium.

Unopened package has shelf life of up to 1 year at room temperature.

Media for Microbiome Studies

We manufacture a wide variety of highly enriched culture media for use in the growth and isolation of organisms found in the human and animal microbiomes. Our unique TruPRAS process is ideally suited for cultivating even the most fastidious and difficult-to-culture organisms.

Anaerobic Enrichment Broth (MTGE)

— AS-778 Ten tubes per package, minimum order 15 packages

MTGE is an enriched non-selective medium developed specifically at Anaerobe Systems for the cultivation and isolation of most anaerobic bacteria and other fastidious microorganisms

Unopened package has shelf life of up to 1 year at room temperature.

Yeast Casitone Fatty Acids Broth with Carbohydrates (YCFAC BROTH)

— AS-680 Ten tubes per package

YCFAC is an enriched non-selective broth media for the cultivation of most anaerobic bacteria and other fastidious microorganisms found in the human gut, such as *Faecalibacterium prausnitzii*. The basic nutritive components of YCFAC come from yeast extract and pancreatic digest of casein, and it is enriched with various vitamins, sugars, and fatty acids to ensure growth of even the most fastidious gut microbes.

Unopened package has shelf life of up to 1 year at room temperature.

Oral Treponeme Enrichment Broth (OTEB)

— AS-603 Ten tubes per package

OTEB is an enriched medium for the isolation, cultivation, and maintenance of *Treponema spp.* found as part of the oral flora. OTEB is a complex peptone-yeast extract medium containing volatile fatty acids and serum for a source of long chain fatty acids. These are necessary nutrients for the recovery of treponemes.

Unopened package has shelf life of up to 6 months at room temperature.

LMRS Broth (LMRS BROTH)
LMRS Agar (LMRS AGAR)

— AS-609 Ten tubes per package, minimum order 15 packages (LMRS BROTH)
— AS-6429 Four plates per package, minimum order 25 packages (LMRS AGAR)

LMRS is an enriched, selective medium designed for the isolation and cultivation of *Lactobacillus* species from clinical, dairy, and food specimens. The media contains proteose peptone No. 3, beef extract, yeast extract, and dextrose as the nutritive base. The pH is adjusted to 6.3 – 6.7 and the medium is supplemented with polysorbate 80 and magnesium. These supplements provide essential fatty acids and other growth factors, while also inhibiting competing normal flora, including gram-negative bacteria, oral flora, and fungi, thereby enhancing the selective recovery of *Lactobacillus*.

Unopened package has shelf life of up to 1 year (AS-609) and 3 months (AS-6429) at room temperature.

Anaerobic Enrichment Agar (MTGE)

— AS-777 Four plates per package, minimum order 25 packages

MTGE is an enriched non-selective medium developed specifically at Anaerobe Systems for the cultivation and isolation of most anaerobic bacteria and other fastidious microorganisms. The basal medium is supplemented with vitamin K1, calf serum, and volatile fatty acids as growth factors for many anaerobic bacteria.

Unopened package has shelf life of up to 3 months at room temperature.

Yeast Casitone Fatty Acids Agar with Carbohydrates (YCFAC)

— AS-675 Four plates per package

YCFAC is an enriched non-selective media for the cultivation of most anaerobic bacteria and other fastidious microorganisms found in the human gut, such as *Faecalibacterium prausnitzii*. The basic nutritive components of YCFAC come from yeast extract and pancreatic digest of casein, and it is enriched with various vitamins, sugars, and fatty acids to ensure growth of even the most fastidious gut microbes.

Unopened package has shelf life of up to 3 months at room temperature.

Bifidobacterium Selective Agar (BIFIDO)

— AS-6423 Four plates per package, minimum order 25 packages

BIFIDO is a selective and differential medium used for the isolation and enumeration of *Bifidobacterium* species. It is based on a reinforced clostridial agar formulation that serves as the base nutritive medium. The medium contains selective and differential agents, including iodoacetic acid and 2,3,5-triphenyltetrazolium chloride (TTC). Iodoacetic acid inhibits glyceraldehyde-3-phosphate dehydrogenase, significantly suppressing the growth of non-*Bifidobacterium* colonies. TTC allows for visual differentiation, as *Bifidobacterium* typically form large, white colonies, distinct from other microbial species.

Unopened package has shelf life of up to 3 months at room temperature.

Plated Media for Oral Microbiome

Oxygen-free preparation of media produces a dramatic increase in the recovery of anaerobes. Inconsistencies and failure to culture organisms due to oxygen-damaged media are eliminated and prolific growth is typically observed within 18 to 24 hours.

Mitis Salivarius Agar with Tellurite (MSAT)

— AS-544 Four plates per package, minimum order 25 packages

MSAT is an enriched, selective, and differential medium designed for the isolation of *Streptococcus mitis*, *Streptococcus salivarius*, and other oral streptococci and enterococci from specimens. The medium contains peptones as sources of carbon, nitrogen, vitamins, and minerals. Dextrose and saccharose serve as carbohydrate sources to support bacterial growth. Selective agents, including crystal violet and potassium tellurite, inhibit the growth of most gram-negative bacilli and gram-positive bacteria other than streptococci and enterococci. Trypan blue imparts a blue coloration to the colonies, aiding in differentiation. .

Unopened package has shelf life of up to 3 months at room temperature.

Enriched Tryptic Soy Agar (ETSA)
Enriched Tryptic Soy Agar with Nalidixic Acid & Vancomycin (ETSA-NV)

— AS-548 Four plates per package (ETSA), minimum order 25 packages
— AS-549 Four plates per package (ETSA-NV), minimum order 25 packages

ETSA is an enriched medium supplemented with diluted laked sheep blood and sheep serum to facilitate the recovery of black pigmenting *Prevotella* and *Porphyromonas* spp. ETSA-NV is also enriched with nalidixic acid and vancomycin to inhibit most gram-positive anaerobes while being able to recover *Prevotella* and *Porphyromonas* spp.

Unopened package has shelf life of up to 3 months at room temperature.

Crystal Violet Erythromycin Agar (CVE)

— AS-647 Four plates per package, minimum order 25 packages

CVE is an enriched, selective, and differential medium used for the isolation and presumptive identification of *Fusobacterium nucleatum*. It is formulated with reduced concentrations of casein and glucose compared to standard media, creating conditions that are less favorable for more fastidious organisms, thereby enhancing selectivity. Erythromycin is included at a concentration sufficient to inhibit most gram-positive and gram-negative anaerobes. Additionally, tryptophan is incorporated to improve the recovery of *F. nucleatum* from specimens.

Unopened package has shelf life of up to 3 months at room temperature.

Tryptic Soy Bacitracin Vancomycin Agar (TSBV)

— AS-648 Four plates per package, minimum order 25 packages

TSBV is an enriched selective medium for the isolation and presumptive identification of *Aggregatibacter actinomycetemcomitans*. TSBV medium contains bacitracin and vancomycin at concentrations that inhibit most gram-positive and gram-negative anaerobes, except for *A. actinomycetemcomitans*.

Unopened package has shelf life of up to 3 months at room temperature.

Fusobacterium Selective Agar (FSA)

— AS-6427 Four plates per package, minimum order 25 packages

FSA is an enriched selective medium for the isolation and presumptive identification of the *Fusobacterium* species. FSA medium contains josamycin, neomycin, and vancomycin at concentrations that inhibit most gram-positive and gram-negative anaerobes.

Unopened package has shelf life of up to 3 months at room temperature.

Tryptic Soy Agar with N-Acetylmuramic Acid (TSA-NAM)

— AS-6421 Four plates per package, minimum order 25 packages

TSA-NAM is an enriched medium for the isolation and presumptive identification of periodontal pathogens. TSA-NAM is supplemented with sheep blood and N-acetylmuramic acid for the isolation of *Tannerella forsythia*.

Unopened package has shelf life of up to 3 months at room temperature.

Porphyromonas Gingivalis Agar (P.GING)

— AS-6422 Four plates per package, minimum order 25 packages

P.GING is an enriched medium for the isolation and presumptive identification of *Porphyromonas gingivalis*. Columbia agar base is supplemented with sheep blood, bacitracin, colistin, and nalidixic acid as selective agents for the isolation of *P. gingivalis*.

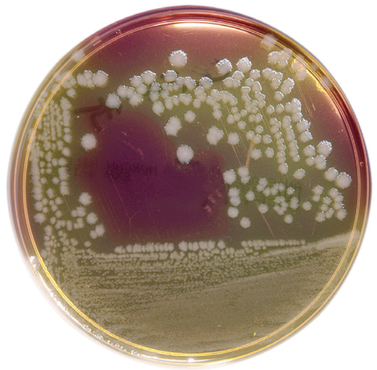
Unopened package has shelf life of up to 3 months at room temperature.

C. difficile Media

Developed specifically for the culture of *Clostridioides difficile*, a recognized cause of pseudomembraneous (antimicrobial agent-associated) colitis which is also associated with CDAD (*C. difficile* associated diarrhea).

Cycloserine-Cefoxitin Fructose Agar (CCFA)

— AS-213 One plate per package



CCFA is an enriched, selective, and differential medium used for the isolation and presumptive identification of *Clostridioides difficile*. The nutritive base consists of animal peptones and fructose to support the growth of anaerobic organisms. This medium is supplemented with cycloserine and cefoxitin at concentrations that inhibit most normal fecal flora. Cycloserine primarily inhibits gram-negative bacteria, while cefoxitin inhibits both gram-positive and gram-negative bacteria. Neutral red is included as a pH indicator. When *C. difficile* metabolizes the peptones, it increases the pH, resulting in a color change of the surrounding medium from pink/orange to yellow. Colonies of *C. difficile* typically display a yellow, ground-glass appearance, which is characteristic and aids in its presumptive identification.

Unopened package has shelf life of up to 3 months when stored at 2-8° C.

Cycloserine-Cefoxitin Fructose Agar with Horse Blood and Taurocholate (CCFA-HT)

— AS-2136 One plate per package

CCFA-HT is an enriched, selective, and differential medium designed for the isolation and presumptive identification of *Clostridioides difficile*. This formulation enhances the recovery of both vegetative cells and spores. Horse blood is included as a rich nutrient source, while taurocholate acid is added to stimulate spore germination, improving detection and growth of *C. difficile* from specimens.

Unopened package has shelf life of up to 3 months when stored at 2-8° C.

Brain Heart Infusion Agar with Horse Blood & Taurocholate (BHIY-HT)

— AS-6463 Four plates per package

BHIY-HT is an enriched, non-selective medium used for the isolation and cultivation of a wide range of bacteria, including yeasts and molds. Its nutritive components include brain heart infusion from solids, meat peptones, and yeast extract. Horse blood is added to enhance growth, while taurocholate is included to stimulate the germination of spores. *C. difficile* exhibits a characteristic colonial morphology, fluorescence, and distinctive odor on BHIY-HT. This medium is specifically required for quantitative testing of antimicrobial agents against *C. difficile* spores on hard, non-porous surfaces, as outlines in the ASTM E3218-21 standard method.

Unopened package has shelf life of up to 3 months at room temperature.

Cycloserine-Cefoxitin Mannitol Broth with Taurocholate Lysozyme and Cysteine (CCMB-TAL)

— AS-8216 Ten tubes per package, minimum order 15

CCMB-TAL is a selective and differential medium used for the isolation and presumptive identification of *Clostridioides difficile*. This nutritive broth contains animal peptones and mannitol as the primary carbon source. It is supplemented with cefoxitin and cycloserine at concentrations that inhibit the growth of most normal fecal flora. Taurocholate and lysozyme are included to stimulate the germination of *C. difficile* spores. Neutral red serves as a pH indicator. As *C. difficile* metabolizes the peptones, the pH increases, changing the indicator's color from its original red orange to yellow.

Unopened package has shelf life of up to 3 months when stored at 2-8° C.

Peptone Yeast Extract Broth Media

TruPRAS Peptone Yeast Extract Broth (PY) and Peptone Yeast Extract Glucose Broth (PYG) are enriched non-selective broths used in the growth and partial identification of anaerobic bacteria.

PY and PYG media, supplemented with hemin and vitamin K_1, support the recovery of fastidious anaerobic organisms such as *Prevotella*, *Porphyromonas*, and members of the *Bacteroides fragilis* group. Resazurin is included as a redox indicator to monitor anaerobic conditions. These media are considered the gold standard for biochemical testing and characterization of anaerobes. When supplemented with a specific sugar, PY and PYG can be used to assess whether an anaerobic organism utilizes or is inhibited by that sugar, aiding in metabolic profiling. PY and PYG are prepared, dispensed, and packaged under oxygen-free conditions to prevent oxidation before use. They are sealed in oxygen-free foil pouches that require no pre-conditioning. Inoculation should be performed using pure cultures to ensure accurate and definitive results. Each tube is fitted with a screw cap and rubber septa, allowing for anaerobic inoculation by syringe. Fermentation is indicated by a decrease in pH after incubation.

Peptone Yeast Extract Broth Media

Ten tubes per package, minimum order of 15 packages

Unopened packages have a shelf life of up to 1 year at room temperature.

- AS-821 Peptone Yeast Extract Broth (PY)
- AS-875 Peptone Yeast Extract Glucose (PYG)
- AS-834 (PY) Adonitol
- AS-836 (PY) Amygdalin
- AS-824 (PY) Arabinose
- AS-835 (PY) Arginine
- AS-857 (PYG) Bile
- AS-837 (PY) Cellobiose
- AS-838 (PY) Dulcitol
- AS-839 (PY) Erythritol
- AS-833 (PY) Esculin
- AS-858 (PY) Formate/ Fumarate
- AS-840 (PY) Fructose
- AS-841 (PY) Galactose
- AS-860 (PY) Gelatin
- AS-822 (PY) Glucose
- AS-842 (PY) Glycerol
- AS-844 (PY) Inositol
- AS-845 (PY) Inulin
- AS-846 (PY) Lactate
- AS-826 (PY) Lactose
- AS-847 (PY) Maltose
- AS-848 (PY) Mannitol
- AS-849 (PY) Mannose
- AS-850 (PY) Melezitose
- AS-851 (PY) Melibiose
- AS-852 (PY) Pyruvic Acid
- AS-853 (PY) Raffinose
- AS-827 (PY) Rhamnose
- AS-854 (PY) Ribose
- AS-828 (PY) Salicin
- AS-855 (PY) Sorbitol
- AS-829 (PY) Starch
- AS-830 (PY) Sucrose
- AS-856 (PY) Threonine
- AS-831 (PY) Trehalose
- AS-825 (PYG) Polysorbate
- AS-859 (PY) Xylan
- AS-832 (PY) Xylose

Plated Media for Environmental Testing

While these media are not exclusively produced for anaerobic organisms, preparing, storing, and dispensing them under oxygen-free conditions prevents the formation of oxidized products and lengthens the shelf-life.

Tryptic Soy Agar with Polysorbate 80 and Lecithin (TSA-TL)

— AS-228 Two plates per package

TSA-TL is an enriched medium used for the detection, isolation, enumeration, and propagation of yeasts and molds. Casein and soy peptones provide essential nutrients to support microbial growth, while sodium chloride helps maintain osmotic balance. The medium is supplemented with lecithin and polysorbate 80, two commonly used neutralizers that help inactivate residual disinfectants during sample collection. Lecithin neutralizes quaternary ammonium compounds, and polysorbate 80 neutralizes substituted phenolic disinfectants, making TSA-TL particularly useful in environmental monitoring and cleanroom applications.

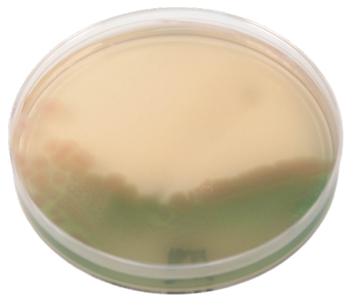
Unopened package has shelf life of up to 6 months at room temperature.

Yeast Malt Extract Agar (YMEA)

— AS-229 Two plates per package

YMEA is an acidic, enriched medium used for the detection, isolation, enumeration, and propagation of y easts and molds. Malt extract serves as a primary source of carbon, protein, and nutrients, providing a high concentration of maltose and other saccharides that support fungal growth. Dextrin and glycerin act as additional carbon sources, while peptone provides nitrogen. The acidic pH of the medium favors the growth of yeasts and molds while inhibiting bacterial growth, making YMEA suitable for fungal cultivation.

Unopened package has shelf life of up to 6 months at room temperature.



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21124 Cabot Blvd.
Hayward, CA 94545
+1 800 284 4949

ANAEROBE SYSTEMS

15906 Concord Circle
Morgan Hill, CA 95037
+1 800 443 3108