ALPHA™
BIOSCIENCES

CHROMOGENIC MEDIA

WE ARE BASED
IN MARYLAND

Alpha Biosciences, Inc., located near historic Union Mill in Baltimore, Maryland, was founded in 1999.

DEHYDRATED CULTURE
MEDIA IS OUR SPECIALTY

Our reputation has been built by blending the highest quality raw materials into a finished product of premium standards. This ensures Alpha Biosciences' consistency for manufacturing it entire product line reproduction process of our culture media formulations. Alpha strictly sources raw materials from only BSE-free countries.

Culture media
is all we do

While many companies offer culture media as one of a host of different products, at Alpha, culture media is all we do. Alpha Biosciences is certified according to ISO Standard 9001:2015. We manufacture our products at our FDA-registered Maryland facility.

Culture media
specialist

We strive to provide the finest quality product made by professional and experienced technicians. Our quality assurance, competitive pricing, and real-time responsiveness all contribute to our main goal: being your next culture media specialist.

Alpha biosciences's chromogenic technology fundamentals.

1

CULTURE MEDIA

Relevance of nutrients and selective components

2

CHROMOGENIC SUBSTRATES

Colorless substrates, when degradated give an intense and specific color

3

BACTERIAL ENZYMES ACTIVITY

Release of chromophores by specificity of enzymatic reactions

What are the benefits of Chromogenic Media Technology?

QUICK RESULTS

After only 24 hours, you can collect yours results

EASY INTERPRETATION

Allows bacterial identification by its characteristic color

TIME/SPACE SAVING

Detect several bacterial species in the same culture media

MINIMUM INVESTMENT

No additional equipment nor special training of the staff

Chromogenic Media Applications

CLINICAL DIAGNOSIS

FOOD AND BEVERAGE

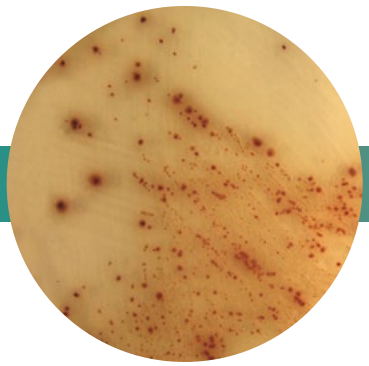
PHARMA INDUSTRY

CANNABIS

BREWING

COSMETIC INDUSTRY

WATER TREATMENT



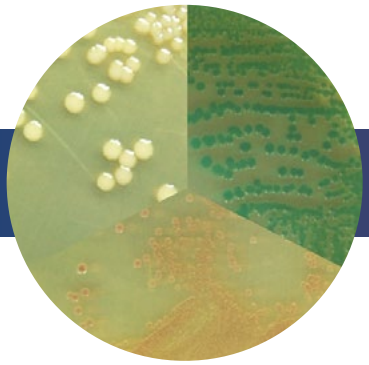
E. COLI O157 | H7 CHROMOGENIC AGAR

E. coli O157:H7 Chromogenic Agar Base is used for the detection of E.coli O157:H7, responsible for hemorragic colitis, characterized by a bleeding diarrea with acute abdominal pain.

Pale pink
Escherichia coli O157;H7

Total inhibition
Enterobacter, Salmonella, Escherichia coli, Enterococococcus and Staphylococococus

Incubation
35 ± 2°C / 18 - 24 h
*Requires Cefixime Tellurite Supplement



VIBRIO CHROMOGENIC AGAR

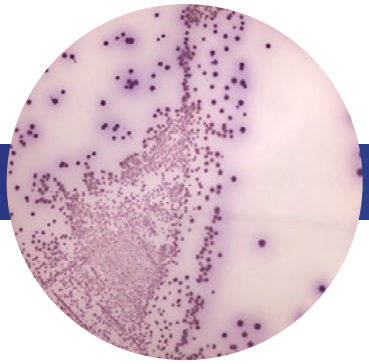
Vibrio Chromogenic Agar is recommended for the selective isolation and differentiation of Vibrio species based on colony colors, Vibrio species are mainly responsible for causing cholera by food or water poisoning in humans.

Pink-rose
V. cholerae, V. vulnificus

Green-blue
V. parahemolyticus

Colorless
V. alginotycus

Incubation
37 ± 1°C / 24 h



SALMONELLA CHROMOGENIC AGAR

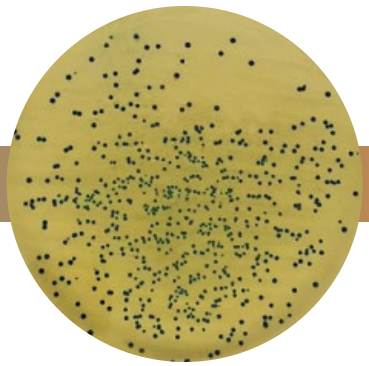
Salmonella Chromogenic Agar is a selective chromogenic medium, used for the detection and presumptive identification of Salmonella species from clinical samples, foods and waters.

Magenta
S. enteriditis, S. typhimurium, S. typhi, S. dyarizonae

Colorless
Proteus vulgaris

Blue-green
Escherichia coli

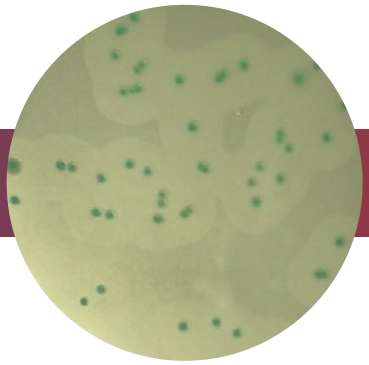
Incubation
35 ± 2°C / 18 - 24 h



MEI AGAR

m-EI Chromogenic Agar Base is recommended for the detection and enumeration of enterococci in water by the membrane filter technique, The medium was developed as a single-step procedure that does not require the transfer of the membrane filter to another substrate.

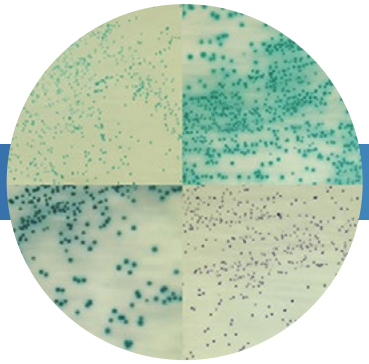
Blue	Total Inhibition	Incubation
Enterococcus	Gram + Bacteria, most of fungi	41 +- 0,5°C / 18-24 h



LISTERIA CHROMOGENIC AGAR BASE ACCORDING TO OTTAVIANI AND AGOSTI (ALOA) ISO

Selective medium for the presumptive isolation and identification of Listeria monocytogenes and Listeria spp. in food, clinical samples and cannabis. This medium is also recommended by ISO 11290-1 for the detection and enumeration for Listeria monocytogenes.

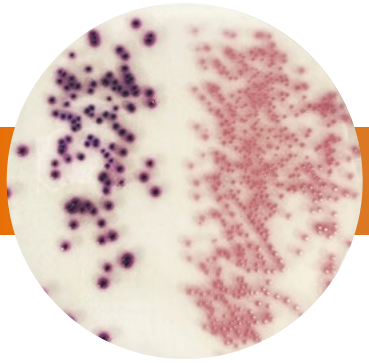
Blue-green with an opaque halo	Blue-green without opaque halo	Incubation
L. monocytogenes 4b and L. monocytogenes 1/2a	*L. innocua*	35 ± 2°C / 24 – 48 h *Requires Listeria Chromogenic Lipase C supplement and Listeria Chromogenic Selective Supplement



STAPHYLOCOCCUS CHROMOGENIC AGAR

Staphylococcus Chromogenic Agar is a selective chromogenic medium used for the isolation, quantification and identification of Staphylococcus spp. S. aureus is a pathogen which causes superficial and systemic infections. Due to its prevalence and clinical implications, its detection is of vital importance.

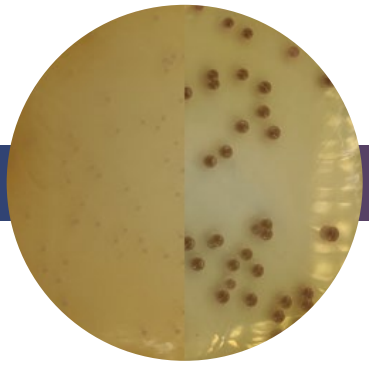
Light green	Greenish Blue	Magenta	Dark Blue	Incubation
Staphylococcus epidermidis	*Staphylococcus saprophyticus*	*Staphylococcus aureus*	Staphylococcus xylosus	35 ± 2°C / 24 - 48 h



CHROMOGENIC COLIFORMS AGAR (CCA) ISO

Chromogenic Coliforms Agar (CCA) is a selective medium for the detection of E. coli and other coliforms in waters and foods. The recovery and enumeration of Escherichia coli and coliforms are important indicators of environmental and food hygiene.

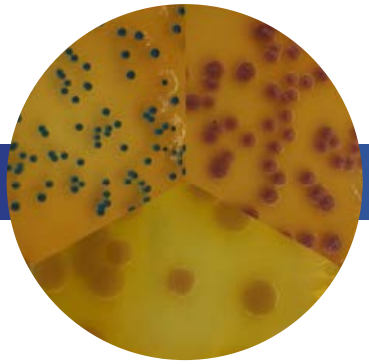
Red to pink	Dark blue to violet	Colorless	Incubation
Coliforms	*Escherichia coli*	*P. aeruginosa, Escherichia coli no β-glucoronidase (O157:H7)*	36 ± 2°C / 24 h



CHROMOGENIC AGAR BURKHOLDERIA CEPACIA

Chromogenic Agar Burkholderia Cepacia is a selective medium specially formulated for the isolation amd detection of Burkholderia cepacia. Burkholderia cepacia is a bacterial species of rising importance in the pharmaceutical, OTC and cosmetic industries in recent years.

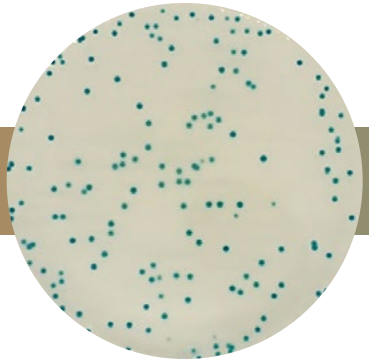
Brown - pinkish	White	Total inhibition	Incubation
Burkholderia cepacia	*Candida Albicans*	*P. Aeruginosa, S. aureus, E. faecalis, S. typhimurium*	37 °C/ 48 – 72 h



PEC CHROMOGENIC AGAR

PEC Chromogenic Agar a is a selective medium specially formulated for the isolation and detection of E. coli, Pseudomonas aeruginosa and Candida albicans.

Pink	Green	Beige yellow	Incubation
Escherichia coli (Fluorescence + under UV light)	*Candida Albicans*	*Pseudomonas Aeruginosa (Fluorescence + under UV light)*	44 °C / 18 – 24 h



TBX CHROMOGENIC AGAR (TRYPTONE BILE X-GLUCURONIDE) ISO

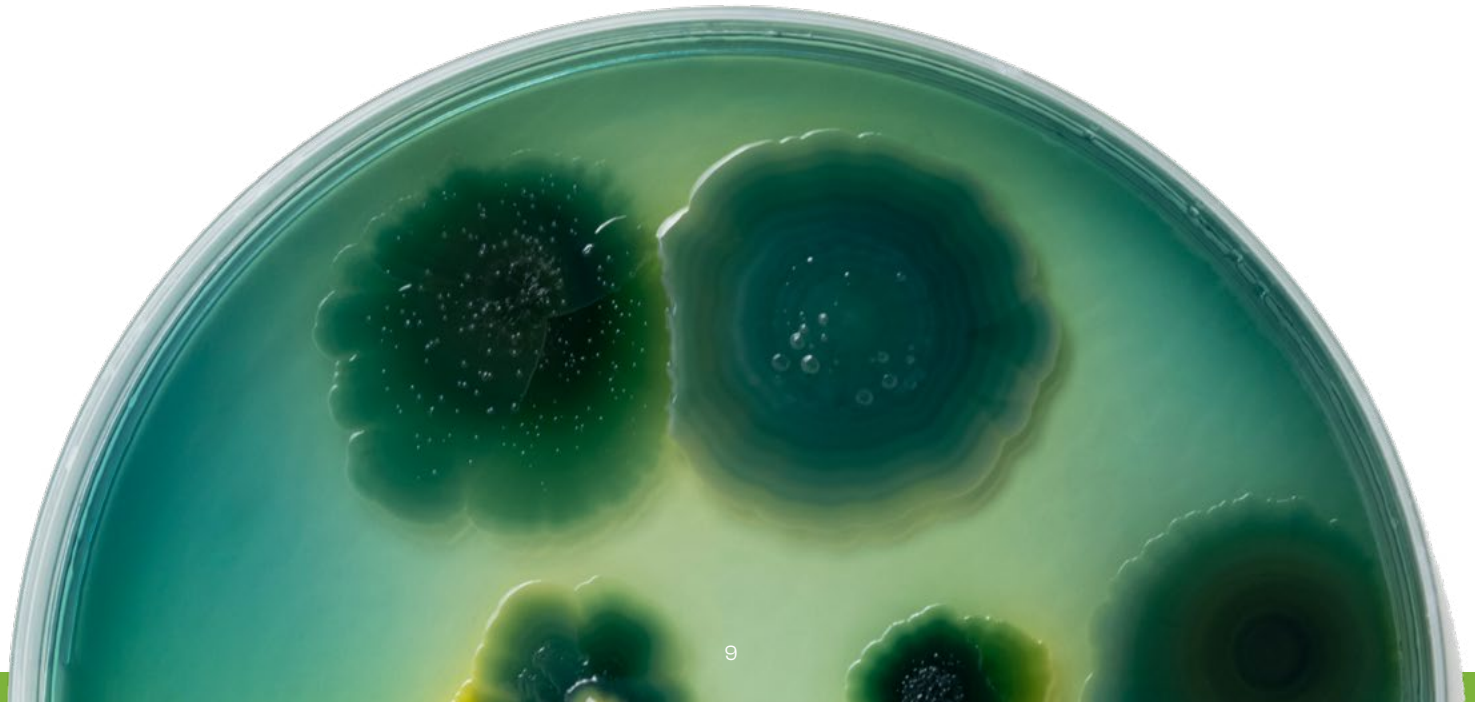
Used to detect and enumerate E. coli in foods and cannabis with the addition of a chromogenic agent, x-ß-D-Glucuronide, to detect the presence of the enzyme glucuronidase, which is highly specific for E. coli.

Blue
Escherichia coli

Total inhibition
Enterococcus faecalis

Incubation
44 °C / 18 – 24 h

YOUR MEDIA IS OUR CULTURE



Alpha Bioscience's Portfolio

CAT N°	DESCRIPTION	APPLICATION	SUPPLEMENT
E05-112	E. COLI O157:H7 CHROMOGENIC AGAR		C03-157
V22-107	VIBRIO CHROMOGENIC AGAR		
S19-149	SALMONELLA CHROMOGENIC AGAR		
M13-140	MEI AGAR		
L12-133	LISTERIA CHROMOGENIC AGAR BASE ACCORDING TO OTTAVIANI AND AGOSTI (ALOA) ISO		L12-134 / L12-135
S19-150	STAPHYLOCOCCUS CHROMOGENIC AGAR		
C03-155	CHROMOGENIC COLIFORMS AGAR (CCA) ISO		
C03-156	CHROMOGENIC AGAR BURKHOLDERIA CEPACIA		
P16-164	PEC CHROMOGENIC AGAR		
T20-145	TBX CHROMOGENIC AGAR (TRYPTONE BILE X – GLUCURONIDE) ISO		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