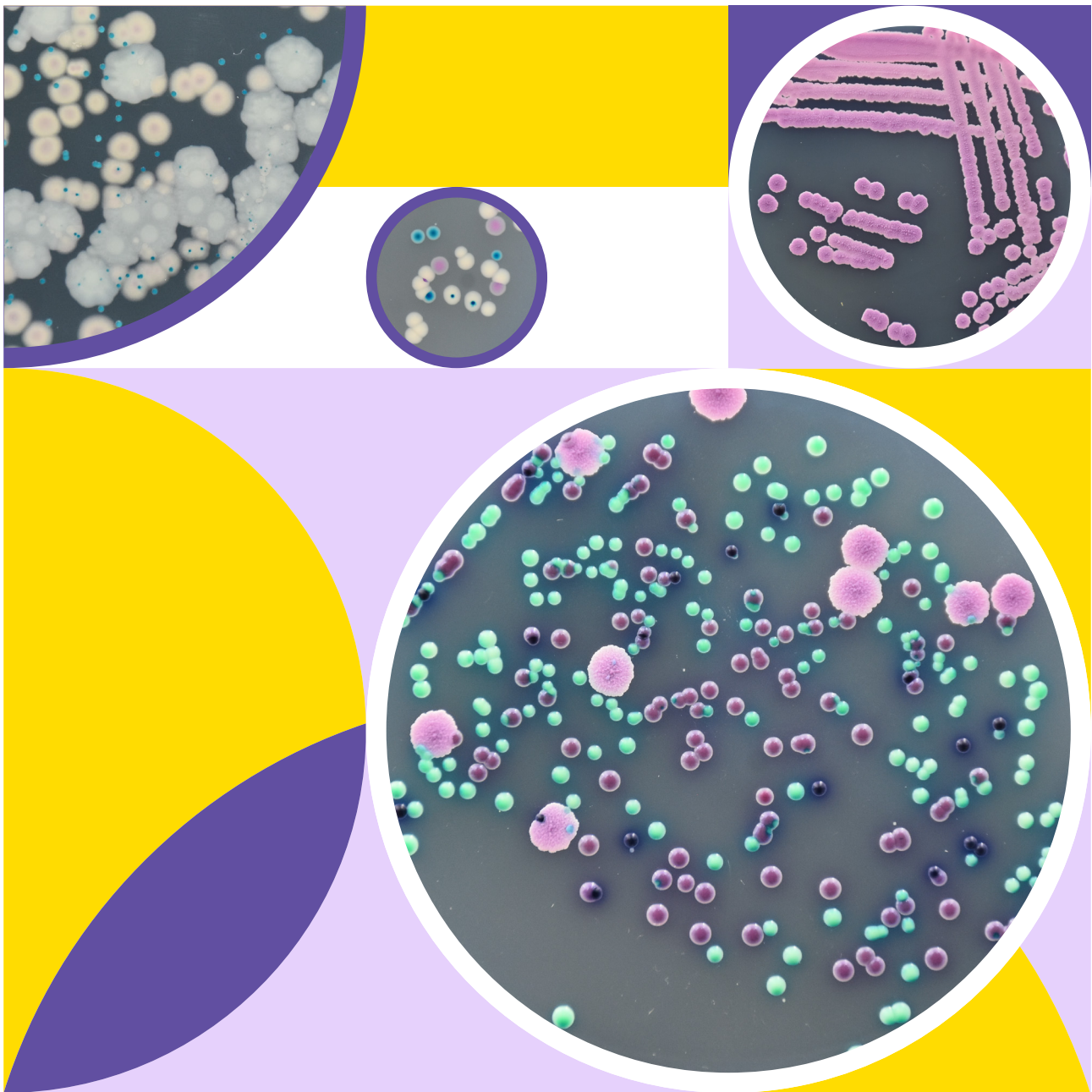




biocomma

Aiculture®  
Faster Microbial Tests

Faster & Purer & Safer



# CommaChrom™ Chromogenic Media

CommaChrom™ Chromogenic media features vibrant colors that effectively minimize the risk of misjudgment, greatly improving the accuracy and reliability of test results.



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## CommaChrom™

CommaChrom™ Chromogenic Media use the specific reaction between the enzymes produced by the microorganism's own metabolism and the corresponding color development substrate to make the colonies appear brightly colored. Under the action of specific enzymes, the chromogenic groups are released to show a certain color, so the strain can be identified by directly observing the color of the colony.

The sensitivity and specificity of the reaction of color development medium for screening and separation of microorganisms are much better than those of traditional culture media.

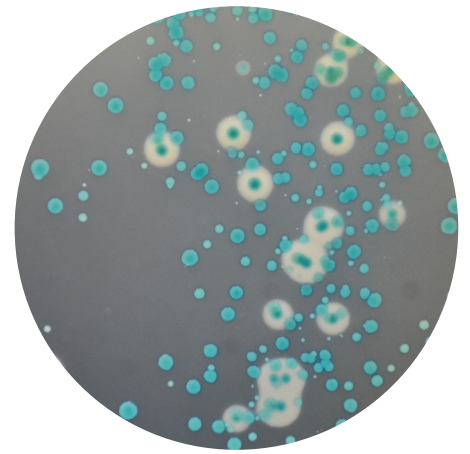
# Listeria Chromogenic Agar

Used for the detection of *Listeria monocytogenes*

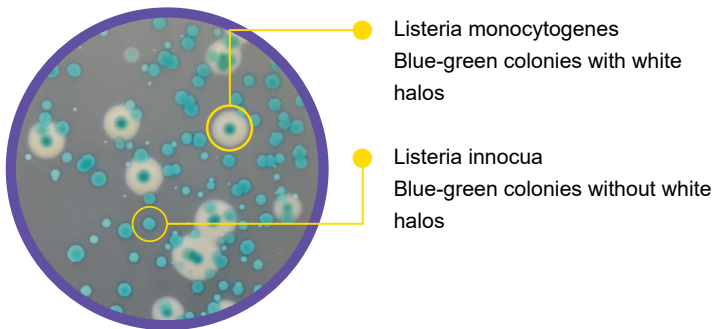
*Listeria monocytogenes* is a psychrotrophic bacterium that can still grow and reproduce in a 4°C environment. It is one of the main pathogenic bacteria threatening human health in refrigerated food. It is widely distributed in nature and can be found in soil, water, and human and animal feces. It often accompanies the Epstein-Barr Virus to cause infectious mononucleosis, and can also cause meningitis, sepsis, etc.

## Principle

Different types of nutrients are added to the culture medium, which can provide rich nutrition for the growth of microorganisms. The added enzyme chromogenic substrate, by the enzymatic action of the target bacteria, releases chromogen thus making the colonies show different colors.



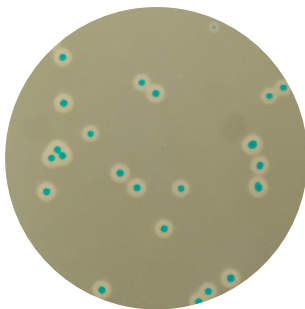
## Results



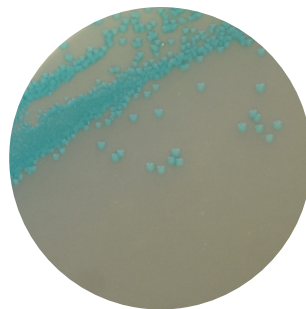
### Precautions

1. For research use only, NOT for clinical testing.
2. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.

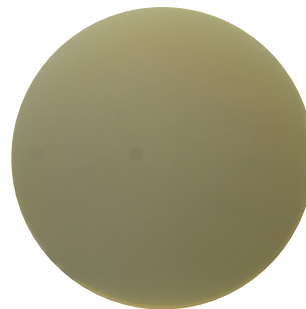
## Typical Feature Pictures



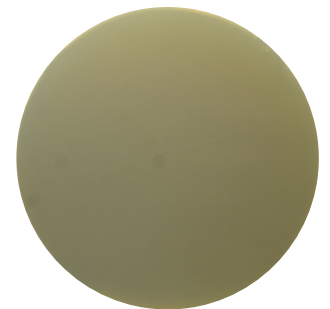
Biocomma  
Listeria Chromogenic Agar  
*Listeria monocytogenes*  
ATCC 19115



Biocomma  
Listeria Chromogenic Agar  
*Listeria innocua*  
ATCC 33090



Biocomma  
Listeria Chromogenic Agar  
*Escherichia coli*  
ATCC 25922



Biocomma  
Listeria Chromogenic Agar  
*Enterococcus faecalis*  
ATCC 29212

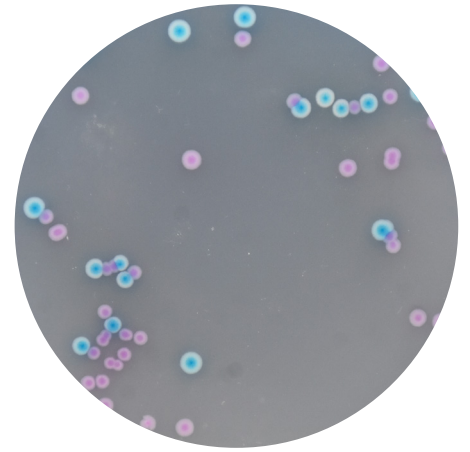
## Ordering Information

Cat. #	Product Name	Qty.
GF1003AF	Listeria Chromogenic Agar	1000mL
GF1003ACF	Listeria Chromogenic Agar	500g

# Salmonella Chromogenic Agar

Used for the isolation and detection of Salmonella

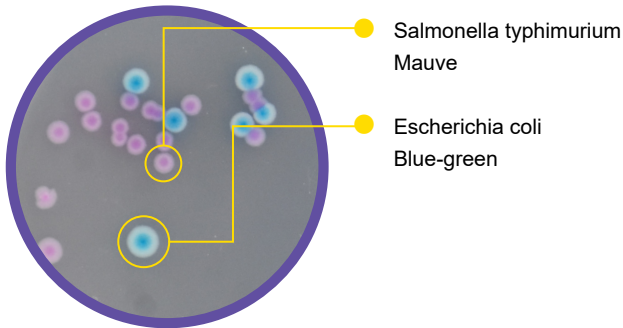
Salmonella is widely distributed in nature and often contaminates the intestines of humans and animals. Poultry such as chickens, ducks, geese, and livestock such as pigs, cattle, horses, sheep, cats, and dogs may all be infected. Therefore, the probability of salmonella contaminating meat and its products is very high. The second most common food poisoning is eggs, milk and their products. Plant-based foods are less likely to cause salmonella poisoning. The incidence of salmonella food poisoning is high, and its pathogenicity is closely related to the type of bacteria.



## Principle

Different types of nutrients are added to the culture medium, which can provide rich nutrition for the growth of microorganisms. The added enzyme chromogenic substrate, by the enzymatic action of the target bacteria, releases chromogen thus making the colonies show different colors.

## Results

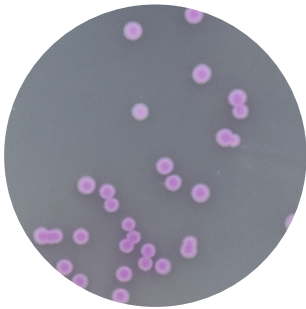


- Salmonella typhimurium  
Mauve
- Escherichia coli  
Blue-green

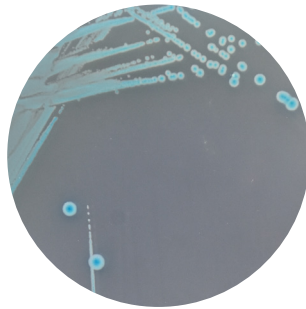
### Precautions

1. For research use only, NOT for clinical testing.
2. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.

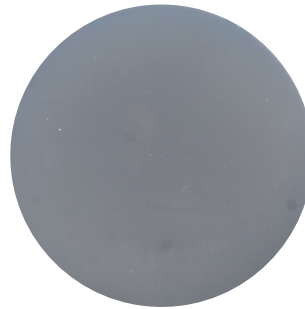
## Typical Feature Pictures



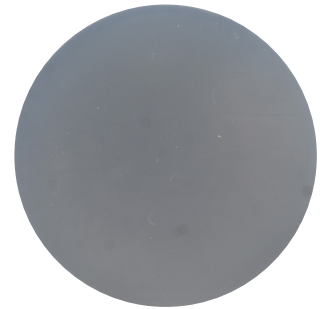
Biocomma  
Salmonella Chromogenic Agar  
Salmonella typhimurium  
ATCC 14028



Biocomma  
Salmonella Chromogenic Agar  
Escherichia coli  
ATCC 25922



Biocomma  
Salmonella Chromogenic Agar  
Proteus mirabilis  
CMCC(B)49005



Biocomma  
Salmonella Chromogenic Agar  
Enterococcus faecalis  
ATCC 29212

## Ordering Information

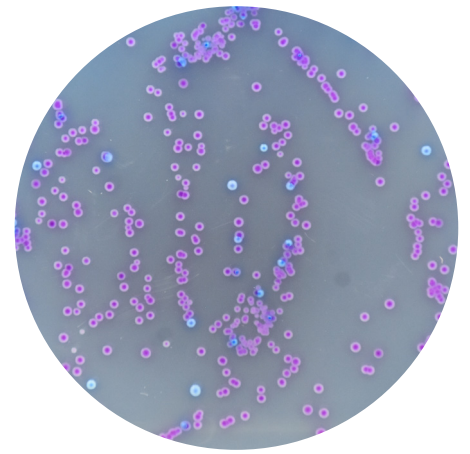
Cat. #	Product Name	Qty.
GF1106AF	Salmonell Chromogenic Agar	1000mL
GF1106ACF	Salmonell Chromogenic Agar	500g

# E. coli O157:H7

## Chromogenic Agar

Used for rapid separation and detection of Escherichia Coli O157:H7

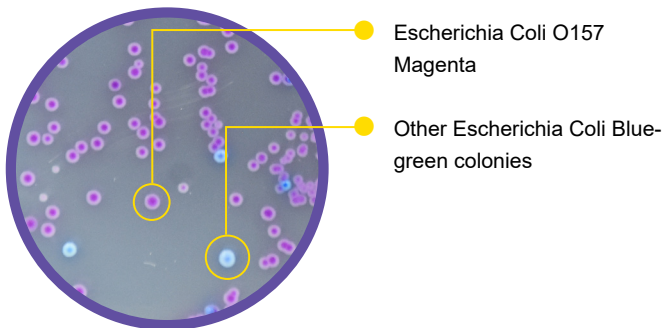
Escherichia Coli O157:H7 is a major serotype of hemorrhagic Escherichia Coli that causes diarrhea and hemorrhagic enteritis and is highly susceptible to two serious complications: hemolytic uremic syndrome and thrombotic thrombocytopenic purpura. Escherichia Coli O157:H7 is highly infectious. Generally, 1 million live Escherichia Coli bacteria are needed to cause disease, while O157:H7 only needs 100 to 200 live bacteria to break through the gastric acid barrier and cause infection. People of all ages are susceptible to O157:H7, but children and the elderly are most vulnerable to the disease, and the symptoms are more serious.



### Principle

Different types of nutrients are added to the culture medium, which can provide rich nutrition for the growth of microorganisms. The added enzyme chromogenic substrate, by the enzymatic action of the target bacteria, releases chromogen thus making the colonies show different colors.

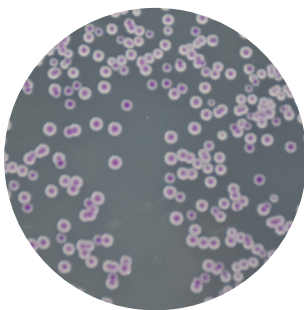
### Results



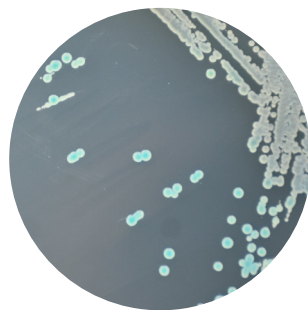
### Precautions

1. For research use only, NOT for clinical testing.
2. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.

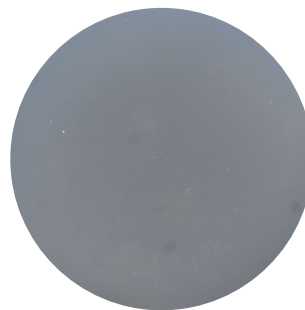
### Typical Feature Pictures



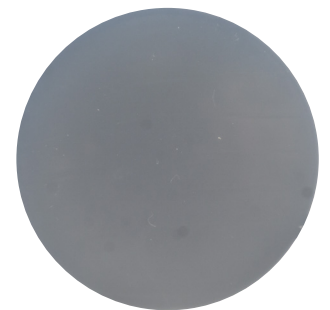
Biocomma  
Escherichia Coli O157  
Chromogenic Agar  
Escherichia Coli O157:H7  
CMCC(B)44939



Biocomma  
Escherichia Coli O157  
Chromogenic Agar  
Escherichia Coli  
ATCC 25922



Biocomma  
Escherichia Coli O157  
Chromogenic Agar  
Proteus mirabilis  
CMCC(B)49005



Biocomma  
Escherichia Coli O157  
Chromogenic Agar  
Enterococcus faecalis  
ATCC 29212

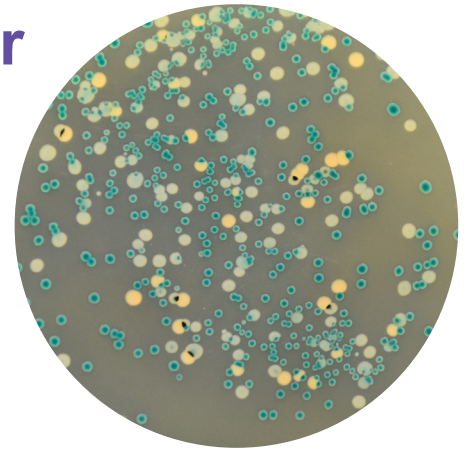
### Ordering Information

Cat. #	Product Name	Qty.
GF1037AF	E. coli O157:H7 Chromogenic Agar	1000mL
GF1037ACF	E. coli O157:H7 Chromogenic Agar	500g

# Cronobacter Chromogenic Agar

Used for the separation and preliminary identification of *Vibrio*, especially *Vibrio parahaemolyticus*

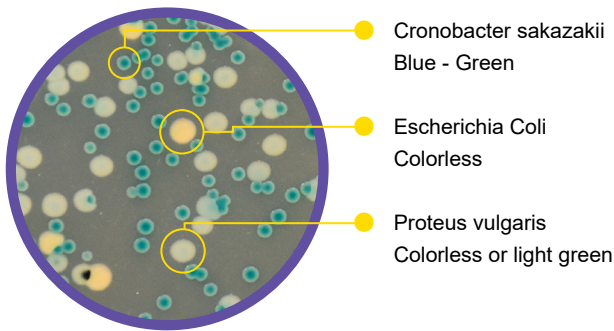
Cronobacter, formerly known as *Enterobacter sakazakii*, is an aerobic or facultative anaerobic Gram-negative bacillus that can be isolated from food, beverages, processing raw materials, production environments, etc. It is a conditional pathogen that mainly harms infants, newborns, especially premature infants, low-birth-weight infants, and adults with low immunity. It can cause neonatal meningitis, sepsis, small intestine, colon necrosis, etc., and can also cause osteomyelitis and sepsis in adults. The main infection channel is infant formula milk powder.



## Principle

Different types of nutrients are added to the culture medium, which can provide rich nutrition for the growth of microorganisms. The added enzyme chromogenic substrate, by the enzymatic action of the target bacteria, releases chromogen thus making the colonies show different colors.

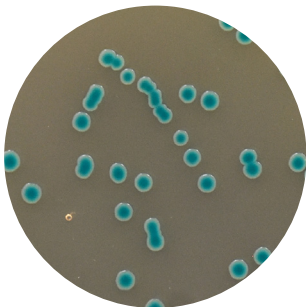
## Results



### Precautions

1. For research use only, NOT for clinical testing.
2. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.

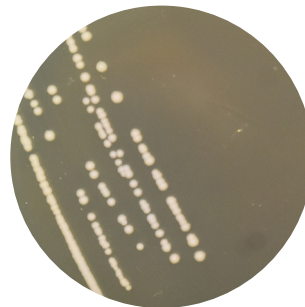
## Typical Feature Pictures



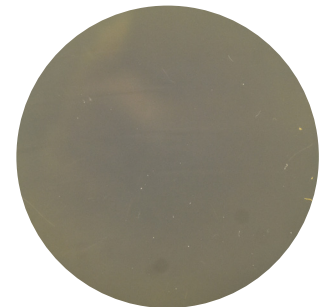
Biocomma  
Cronobacter Chromogenic Agar  
*Cronobacter sakazakii*  
ATCC 29544



Biocomma  
Cronobacter Chromogenic Agar  
*Escherichia Coli*  
ATCC 25922



Biocomma  
Cronobacter Chromogenic Agar  
*Proteus vulgaris*  
CMCC(B)49027



Biocomma  
Cronobacter Chromogenic Agar  
*Enterococcus faecalis*  
ATCC 29212

## Ordering Information

Cat. #	Product Name	Qty.
GF1050AF	Cronobacter Chromogenic Agar	1000mL
GF1050ACF	Cronobacter Chromogenic Agar	500g

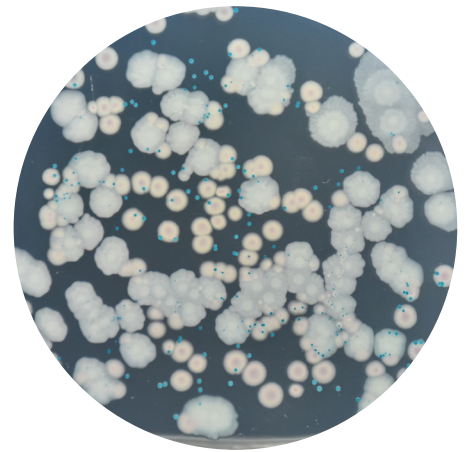
# Vibrio Chromogenic Agar

Used for isolation and detection of *Vibrio* especially *Vibrio parahaemolyticus*

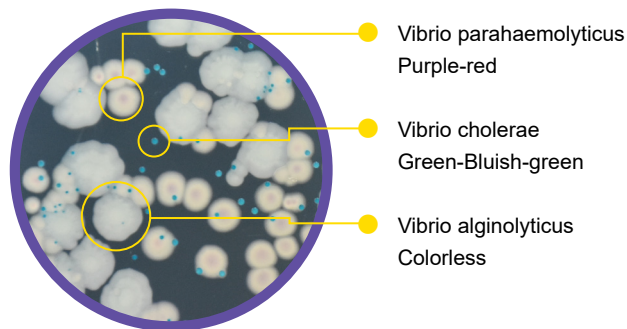
*Vibrio* bacteria are a group of Gram-negative bacteria that primarily inhabit seawater, being found in nearshore waters, seafood, and salted food products. Consumption of food heavily contaminated with *Vibrio* can lead to food poisoning. These bacteria are major pathogens causing foodborne illness and acute diarrhea in coastal areas during summer and autumn.

## Principle

Different types of nutrients are added to the culture medium, which can provide rich nutrition for the growth of microorganisms. The added enzyme chromogenic substrate, by the enzymatic action of the target bacteria, releases chromogen thus making the colonies show different colors.



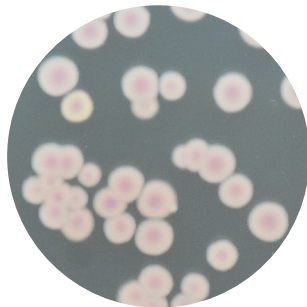
## Results



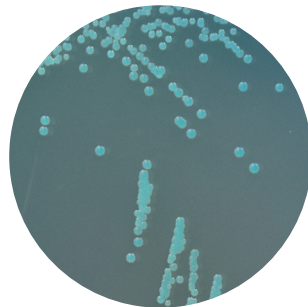
### Precautions

1. For research use only, NOT for clinical testing.
2. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.

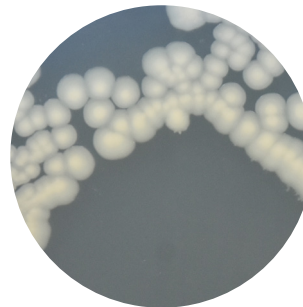
## Typical Feature Pictures



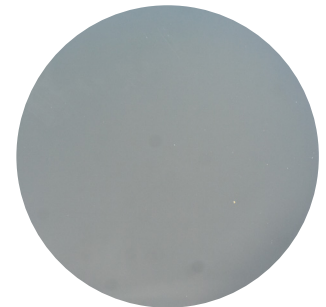
Biocomma  
Vibrio Chromogenic Agar  
*Vibrio parahaemolyticus*  
ATCC 17802



Biocomma  
Vibrio Chromogenic Agar  
*Vibrio cholerae*  
CICC 23794



Biocomma  
Vibrio Chromogenic Agar  
*Vibrio alginolyticus*  
ATCC 33787



Biocomma  
Vibrio Chromogenic Agar  
*Escherichia coli*  
ATCC 25922

## Ordering Information

Cat. #	Product Name	Qty.
GF1090AF	Vibrio Chromogenic Agar	1000mL
GF1090ACF	Vibrio Chromogenic Agar	500g

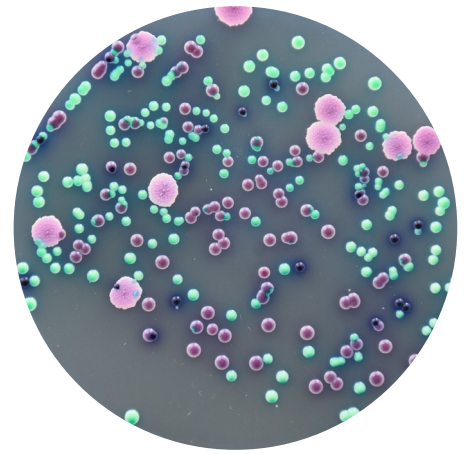
# Candida Chromogenic Agar

## Used for isolation and detection of Candida

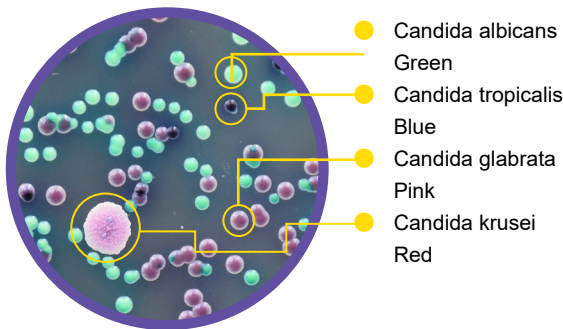
Candida is a type of yeast, referring to a class of unicellular fungi that can ferment sugars and reproduce asexually through budding or fission. They naturally exist on human skin, in the oral cavity, gastrointestinal tract, and reproductive tract, usually maintaining a balanced state with the host. However, under certain conditions, Candida can overgrow, leading to infections.

## Principle

Different types of nutrients are added to the culture medium, which can provide rich nutrition for the growth of microorganisms. The added enzyme chromogenic substrate, by the enzymatic action of the target bacteria, releases chromogen thus making the colonies show different colors.



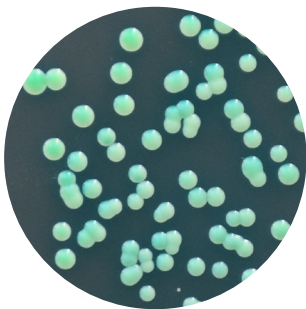
## Results



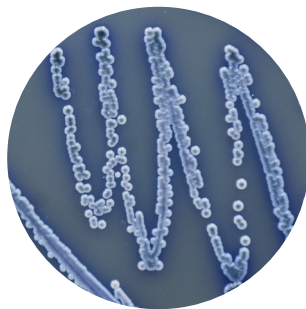
### Precautions

1. For research use only, NOT for clinical testing.
2. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.

## Typical Feature Pictures



Biocomma  
Candida Chromogenic Agar  
Candida albicans  
ATCC10231



Biocomma  
Candida Chromogenic Agar  
Candida tropicalis  
ATCC13803



Biocomma  
Candida Chromogenic Agar  
Candida glabrata  
ATCC15126



Biocomma  
Candida Chromogenic Agar  
Candida krusei  
ATCC14243

## Ordering Information

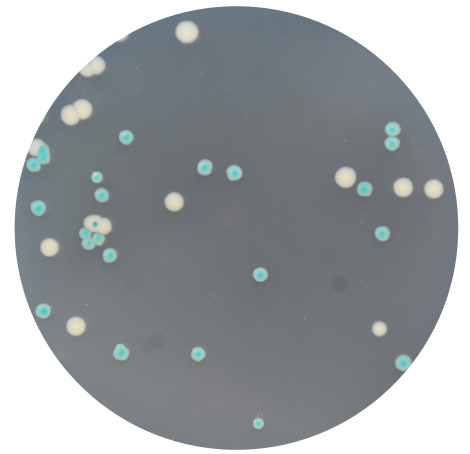
Cat. #	Product Name	Qty.
GF625AF	Candida Chromogenic Agar	1000mL
GF625ACF	Candida Chromogenic Agar	500g



# E. coli Chromogenic Agar

## Used for isolation and detection of Escherichia coli

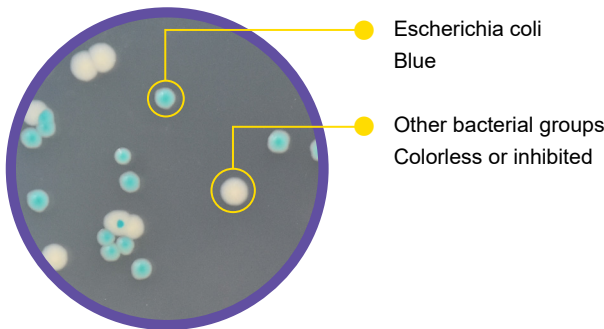
Escherichia coli, also known as E. coli, is the most predominant and abundant bacterium in the intestines of humans and many animals, primarily residing in the colon. E. coli proliferates in the intestines, constituting nearly one-third of the dry weight of feces. The presence of this bacterium in water and food indicates potential fecal contamination, which may suggest the presence of intestinal pathogenic microorganisms. Therefore, E. coli is commonly used as a hygienic indicator in the testing of drinking water, food, or pharmaceuticals. Traditional methods such as the Most Probable Number (MPN) test for E. coli require up to 6 days, while the plate count method needs ultraviolet light to detect fluorescence, with low discrimination. In contrast, E. coli chromogenic agar allows for rapid and accurate detection and counting within 24 hours, thereby improving work efficiency.



## Principle

Different types of nutrients are added to the culture medium, which can provide rich nutrition for the growth of microorganisms. The added enzyme chromogenic substrate, by the enzymatic action of the target bacteria, releases chromogen thus making the colonies show different colors.

## Results

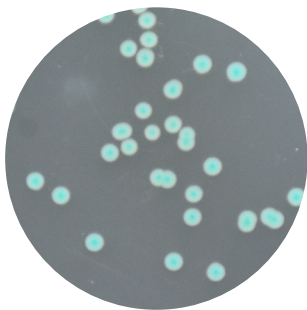


- Escherichia coli  
Blue
- Other bacterial groups  
Colorless or inhibited

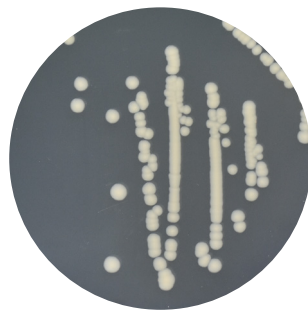
### Precautions

1. For research use only, NOT for clinical testing.
2. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.

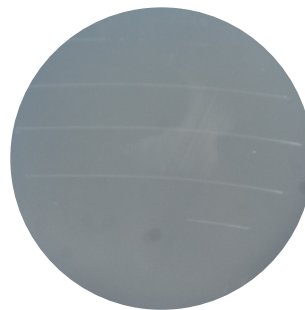
## Typical Feature Pictures



Biocomma Escherichia coli  
Chromogenic Agar Escherichia coli  
ATCC25922



Biocomma Escherichia coli  
Chromogenic Agar  
Citrobacter freundii  
ATCC43864



Biocomma Escherichia coli  
Chromogenic Agar  
Enterococcus faecalis  
ATCC29212

## Ordering Information

Cat. #	Product Name	Qty.
GF1200AF	E. coli Chromogenic Agar	1000mL
GF1200ACF	E. coli Chromogenic Agar	500g

# Coliforms & E.coli (ECC) Chromogenic Agar

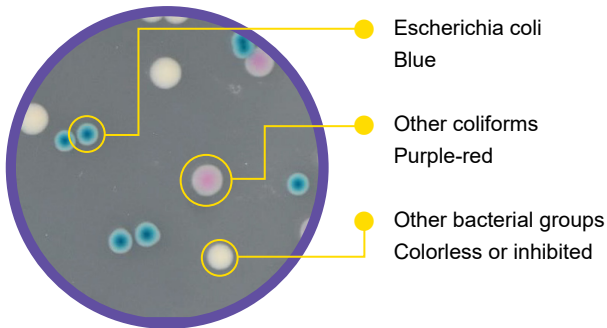
Used for the rapid detection and enumeration of E.coli-Califorms within 24 hours.

Coliform refers to a group of Gram-negative, non-spore-forming rods that are capable of fermenting lactose to produce acid and gas under specific culture conditions, and can be either aerobic or facultatively anaerobic. The number of coliforms in food indicates the degree of fecal contamination of the product and reflects the potential health risks to humans. Therefore, accurate detection and enumeration of coliforms is of great importance.

## Principle

Different types of nutrients are added to the culture medium, which can provide rich nutrition for the growth of microorganisms. The added enzyme chromogenic substrate, by the enzymatic action of the target bacteria, releases chromogen thus making the colonies show different colors.

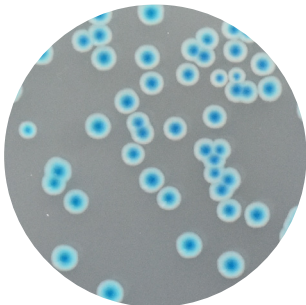
## Results



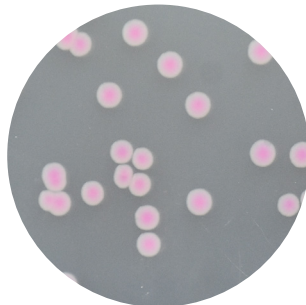
### Precautions

1. For research use only, NOT for clinical testing.
2. After use, all contaminated materials must be autoclaved at 121°C for 30 minutes and then disposed of.

## Typical Feature Pictures



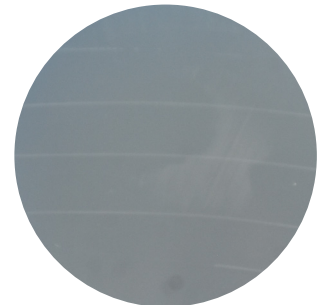
Biocomma - ECC- Escherichia coli ATCC25922



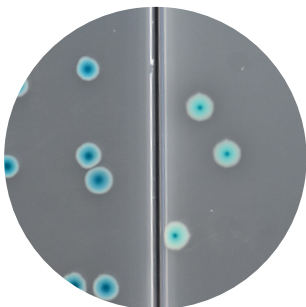
Biocomma - ECC- Citrobacter freundii ATCC43864



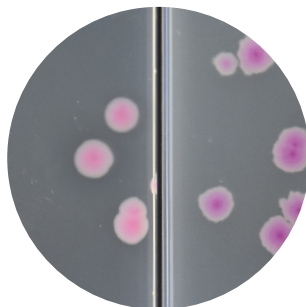
Biocomma - ECC - Salmonella typhimurium ATCC14028



Biocomma -ECC-Enterococcus faecalis ATCC 29212



Biocomma(left) - K Brand(right)- ECC-Escherichia coli



Biocomma(left) - K Brand(right) ECC-Citrobacter freundii

## Ordering Information

Cat. #	Product Name	Qty.
GF1199AF	Coliforms & E.coli (ECC) Chromogenic Agar	1000mL
GF1199ACF	Coliforms & E.coli (ECC) Chromogenic Agar	500g

# Company Profile



Biocomma, established in 2006 with its headquarters in Shenzhen, is dedicated to the research, production, and distribution of life science and medical health products. Operating in over 50 countries and regions, the company offers sample preparation solutions for food and clinical testing, including filtration consumables, chromatography consumables, and microbial culture media.

Biocomma also provides products such as filters, swabs, reagent bottles, sterile buffers, and culture media for life science research and manufacturing companies. Our mission is to contribute to a healthier and better world.



HH-XS-01-002EN

## Biocomma Limited

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