


Microbiology

Chromogenic media guide

Detect target organisms with
speed and accuracy

A close-up photograph of a petri dish held by a hand wearing a blue nitrile glove. The petri dish contains a bacterial culture on a chromogenic medium. The colonies are visible as distinct, colorful spots and streaks of varying sizes and colors, including pink, red, and white, against a light-colored agar background. The lighting is bright, highlighting the texture of the colonies and the clarity of the petri dish.

Thermo Fisher Scientific provides a range of locally manufactured rapid chromogenic media to detect, identify and screen samples for pathogenic and non-pathogenic organisms with speed and accuracy saving you time, money and boosting your lab efficiency. Colourful, easy-to-read colonies and short incubation times enable timely and important decision-making for clinical, water and food testing laboratories.

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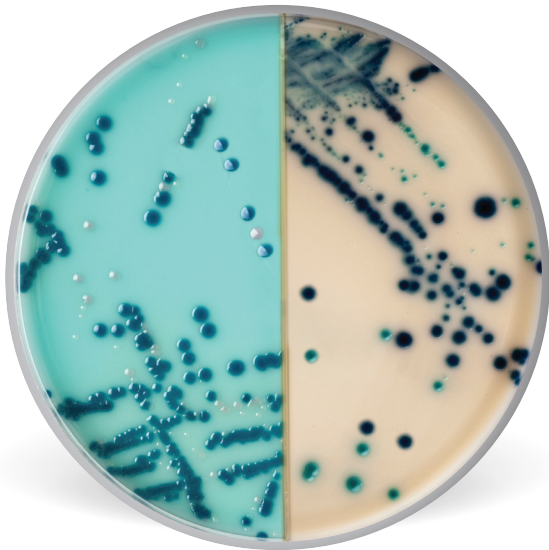
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Chromogenic Biplates

Thermo Fisher Scientific offers a broad range of media as a biplate. The use of biplates allows more storage room in incubators, less gas generating kits used in jars and more confidence in interpretation of the results.

Brilliance CRE Agar/Brilliance ESBL Agar

Simultaneous screening for both ESBL-producing organisms and carbapenem-resistant *Enterobacteriaceae* (CRE) *Brilliance* CRE Agar allows for detection of CRE, while *Brilliance* ESBL Agar facilitates inhibition of non-extended spectrum beta-lactamase (ESBL)-producing *Enterobacteriaceae* and growth suppression of most AmpC organisms and other non-ESBL flora.

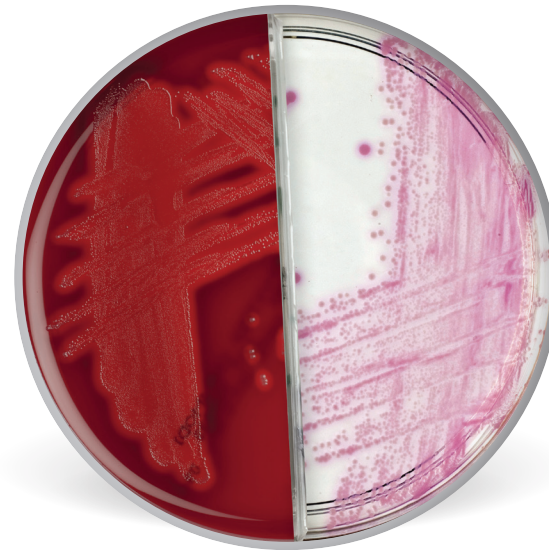


Product code	Format
PP2623	90 mm biplates

Image shown incubated: 18-24h at 36 + 1°C, aerobic

Brilliance GBS Agar/Oxoid Columbia CNA Agar

Simplified screening of low vaginal swabs (LVS), high vaginal swabs (HVS), vaginal or recto-vaginal samples for GBS and staphylococci/streptococci *Brilliance* Group B *Streptococcus* (GBS) Agar eliminates the need for pre-enrichment and, when combined with Oxoid Columbia CNA Agar, enables detection of *staphylococcus*, *streptococcus*, and GBS within 24 hours.

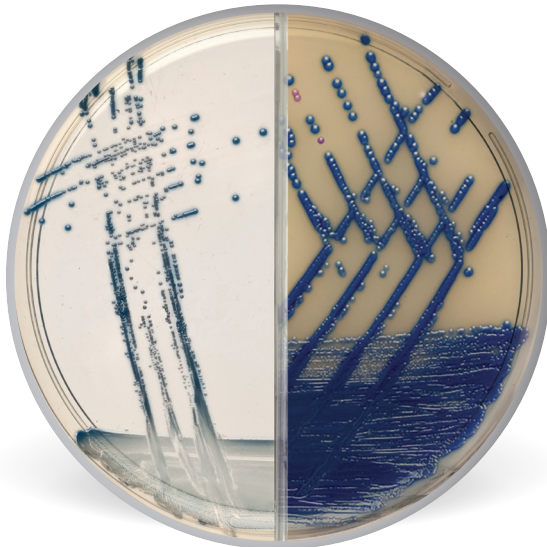


Product code	Format
PP2611	90 mm biplates

Image shown incubated: 18-24h at 36 + 1°C, aerobic

Brilliance Staph 24/ Brilliance MRSA 2 Staph 24 Agar

Simplified screening of methicillin-resistant *Staphylococcus aureus* (MRSA) and coagulase-positive staphylococci (CPS) (e.g. methicillin-susceptible *Staphylococcus aureus* (MSSA) Brilliance Staph 24 Agar reduces non-target organism growth while allowing CPS to grow uninhibited, while the inhibitory components in Brilliance MRSA 2 Agar inhibit the growth of more non-target organisms.

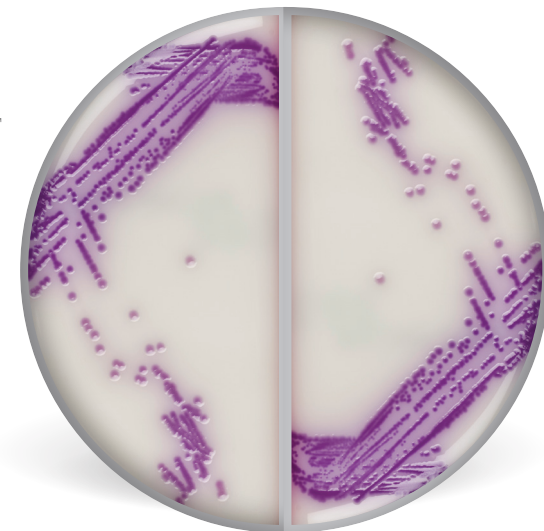


Product code	Format
PP2581	90 mm biplates

Brilliance Salmonella/Brilliance Salmonella

Selective media for the isolation and differentiation of *Salmonella* spp. This biplate combination allows you to work according to the ISO method for *Salmonella* detection. Brilliance Salmonella Agar is a selective medium for the presumptive identification of *Salmonella* spp. Brilliance Salmonella Agar contains the Inhibigen™ technology, which ensures high selectivity of the medium.

R4606000
Salmonella
typhimurium
ATCC® 14028™



Product code	Format
PP2413	Brilliance Salmonella biplates

Image shown incubated: 18-24 h at 35-39 °C, aerobic

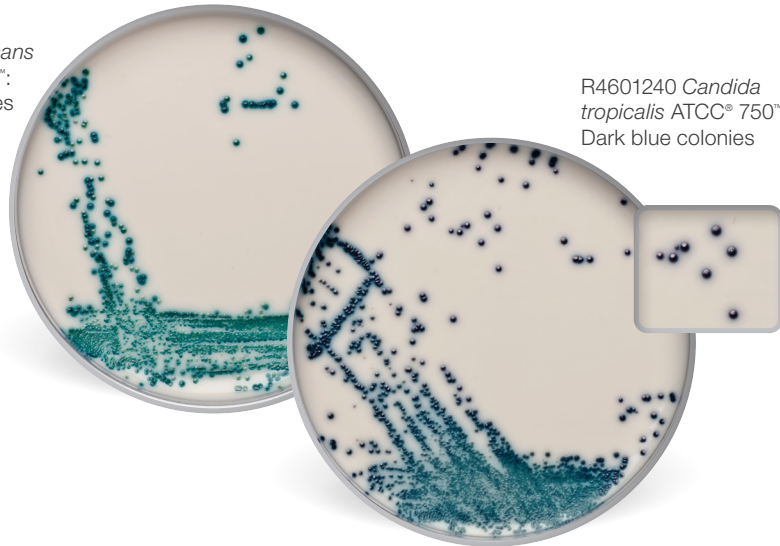
Brilliance™ Chromogenic Media (clinical)

Brilliance media help to identify organisms within 18-24 hours and the bright colors against a clear or opaque background support the easy identification of the target organism.

Brilliance Candida Agar

A selective differential medium for the rapid isolation and identification of clinically important *Candida* spp. allowing for more timely and targeted antifungal therapy. Brilliance Candida Agar differentiates *Candida albicans* and *Candida tropicalis* from other *Candida* spp. within 48 hours, and the chromogenic color reactions on an opaque background allow easy differentiation of *Candida* spp. in different target colors, especially when mixed infections are present. Chloramphenicol inhibits bacterial growth, even after prolonged incubation.

R4601503
Candida albicans
ATCC® 10231™:
Green colonies



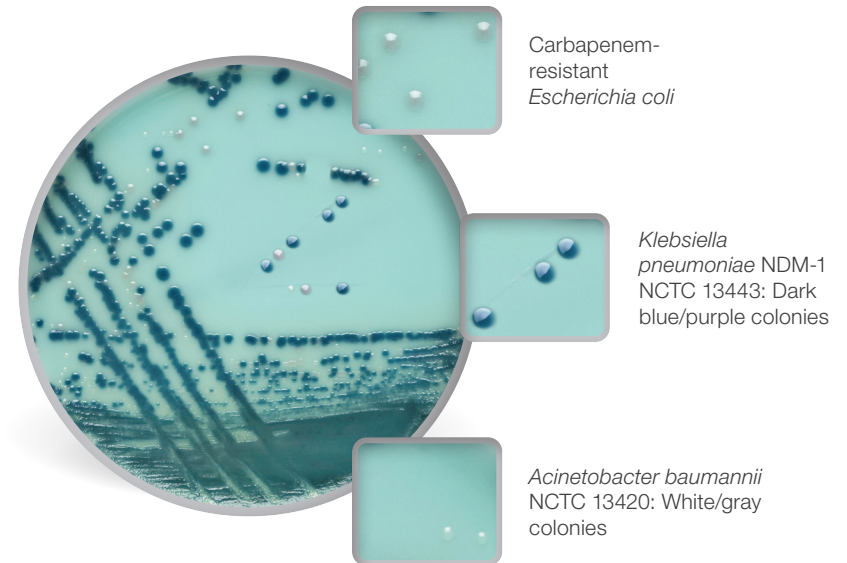
R4601240 *Candida tropicalis* ATCC® 750™:
Dark blue colonies

Product code	Format
PP2308	90 mm plates

Image shown incubated: 48 h at 32 ± 1 °C, aerobic

Brilliance CRE Agar

A chromogenic screening plate for the detection of carbapenem-resistant Enterobacteriaceae, including NDM-1. The medium provides a clear and easy color differentiation of *Escherichia coli* and the KESC group. Besides Enterobacteriaceae the medium also allows the growth of carbapenem-resistant *Acinetobacter*. Results are obtained in just 18 hours helping minimize the opportunity for transmission and target treatment earlier.



Carbapenem-resistant
Escherichia coli

Klebsiella pneumoniae NDM-1
NCTC 13443: Dark
blue/purple colonies

Acinetobacter baumannii
NCTC 13420: White/gray
colonies

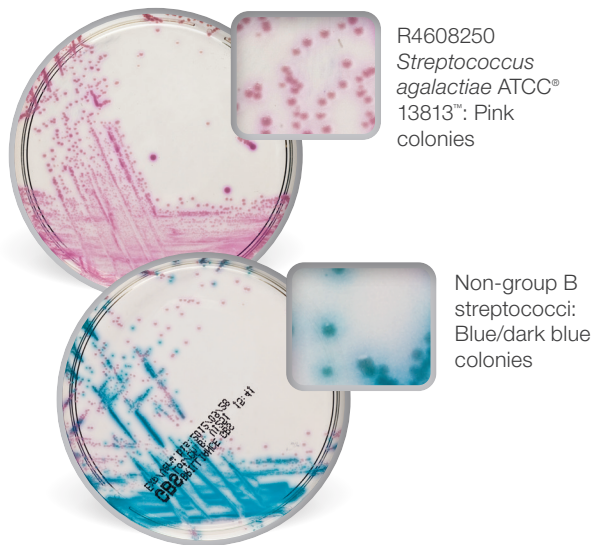
Product code	Format
PP2494	90 mm plates

Image shown incubated: 18-24 h at 37 ± 1 °C, aerobic

Brilliance™ Chromogenic Media (clinical)

Brilliance GBS Agar

A selective medium for the screening of clinical samples for the presence of group B streptococci (GBS). To allow the medium to differentiate GBS accurately, it contains a second chromogen. Non-GBS grow as blue or purple colonies on Brilliance GBS Agar. Brilliance GBS incorporates Inhibigen technology, a targeted inhibition of enterococci and group D streptococci, ensuring a high level of sensitivity and specificity.



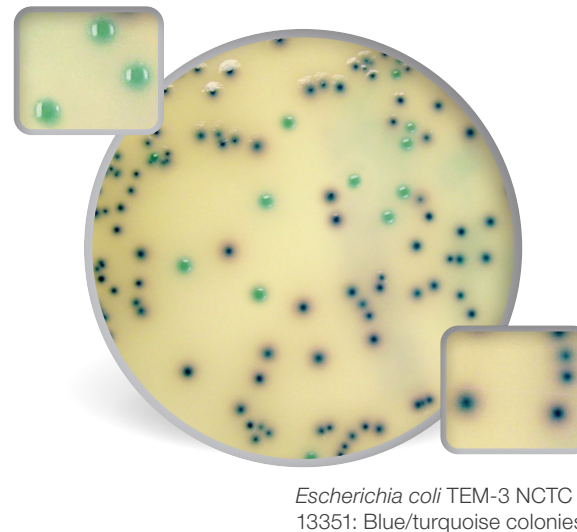
Product code	Format
PP2544	90 mm plates

Image shown incubated: 18-24 h at 36 ± 1 °C, aerobic

Brilliance ESBL Agar

A selective medium for the screening of clinical samples for the presence of extended-spectrum beta-lactamase (ESBL) producing bacteria. The easy and clear differentiation of *Escherichia coli* and the KESC group by different colours helps to identify ESBL producing organisms. The inhibition of AmpC producers reduces false positives and the need for confirmatory tests.

R4603074 *Klebsiella pneumoniae* SHV-18
ATCC® 700603™: Green colonies



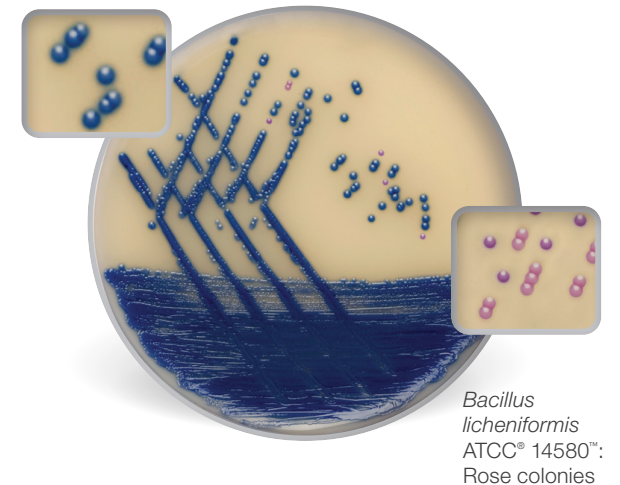
Product code	Format
PP2419	90 mm plates

Image shown incubated: 18-24 h at 36 ± 1 °C, aerobic

Brilliance MRSA 2 Agar

A selective medium for the screening of clinical samples for the presence of methicillin-resistant *Staphylococcus aureus* (MRSA). Results within 18 hours and no reincubation of negatives help to initiate early infection control procedures. Reliable results lead to fewer confirmatory tests. The new improved formulation contains two chromogens to differentiate MRSA and non-MRSA colonies. MRSA colonies are a distinctive blue colour, making the identification of MRSA easy and accurate.

R4603074 *Staphylococcus aureus*
ATCC® 33591™: Blue colonies



Product code	Format
PP2475	90 mm plates

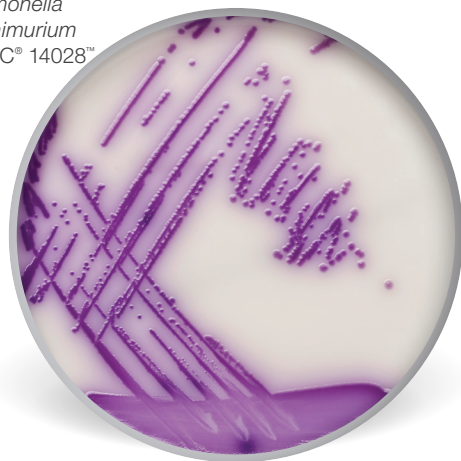
Image shown incubated: 18-24 h at 37 ± 1 °C, aerobic

Brilliance Chromogenic Media (clinical)

Brilliance Salmonella Agar

A selective medium for the presumptive identification of *Salmonella* spp. Brilliance Salmonella Agar incorporates Inhibigen technology, which ensures high selectivity of the medium. *Escherichia coli* is inhibited and overgrowth of the target organism is avoided.

R4606000
Salmonella
typhimurium
ATCC® 14028™



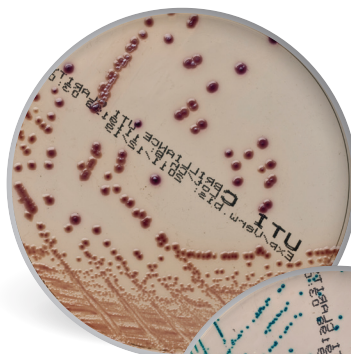
Product code	Format
PP2351	90 mm plates

Image shown incubated: 22–26 h at 36 ± 1 °C, aerobic

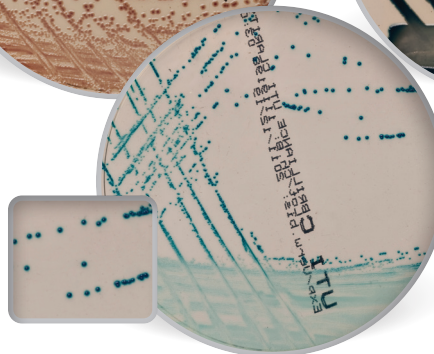
Brilliance UTI Clarity Agar

A chromogenic medium for the isolation, enumeration and presumptive identification of organisms occurring in urinary tract infections. Differentiates clearly between coliforms and enterococci, and gives improved TDA reactions in the identification of *Proteus*, *Morganella* and *Providencia* spp., minimising confirmatory testing. Brilliance UTI Clarity Agar provides the same features as Brilliance UTI Agar, except for the transparent background, which helps for clear differentiation of the target organisms.

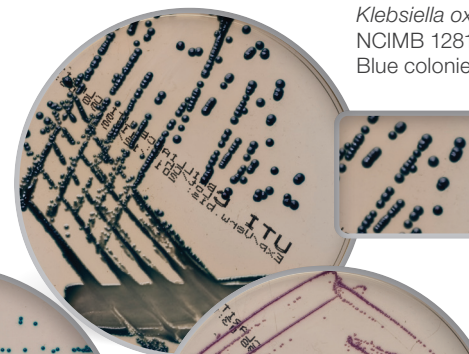
R4607050
Escherichia coli
ATCC® 25922™:
Pink/red
colonies, Indole
positive



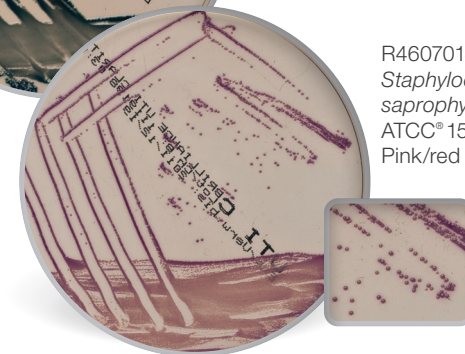
R4607030
Enterococcus
faecalis ATCC®
29212™: Turquoise
blue/green colonies



Klebsiella oxytoca
NCIMB 12819™:
Blue colonies



R4607014
Staphylococcus
saprophyticus
ATCC® 15305™:
Pink/red colonies



Product code	Format
PP2343	90 mm plates
PP2420	HBA + CNA/Brilliance UTI Clarity bi plate

Image shown incubated: 18–24 h at 36 ± 1 °C, aerobic

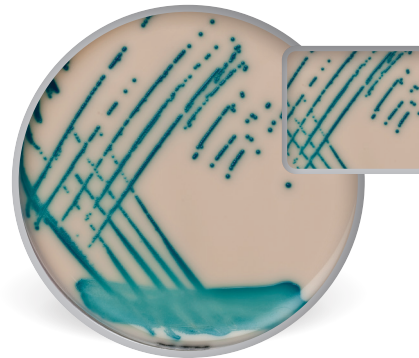
Brilliance™ Chromogenic Media (clinical)

Brilliance UTI Agar

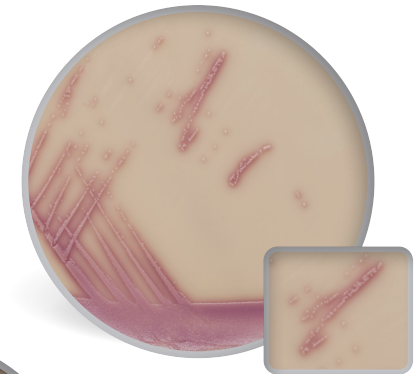
Brilliance UTI Agar is a reliable and rapid tool for the presumptive identification of urinary pathogens in 18 to 24 hours. The medium differentiates between coliforms and enterococci. Improved TDA reaction aids the identification of *Proteus*, *Morganella* and *Providencia* spp. Brilliance UTI Agar helps to identify key organisms for UTI infections through distinctive color reaction; *Staphylococcus saprophyticus* grow a different color than other staphylococci.



R4605055
Klebsiella oxytoca
NCIMB 12819™:
Blue colonies

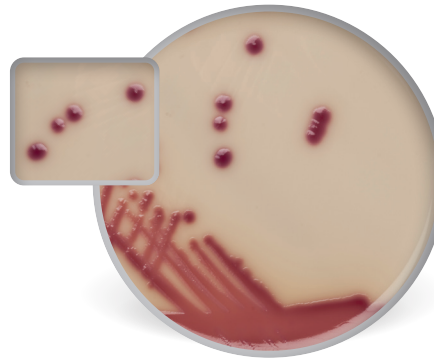


R4607030 *Enterococcus faecalis* ATCC® 29212™:
Turquoise blue/green colonies

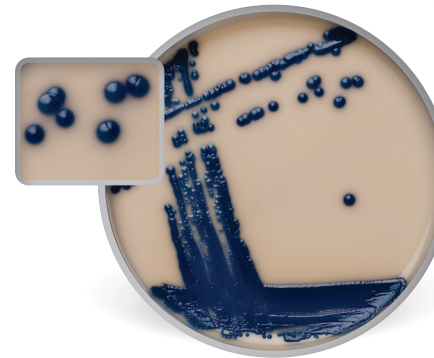


R4607014 *Staphylococcus saprophyticus* ATCC® 15305™:
Pink/red colonies

R4607050 *Escherichia coli*
ATCC® 25922™: Red/pink colonies, Indole positive



Proteus mirabilis
ATCC® 29906™:
Cream colonies with brown halo,
Indole negative



Product code	Format
PP2248	90 mm plates
PP2249	HBA/Brilliance UTI Bi plate

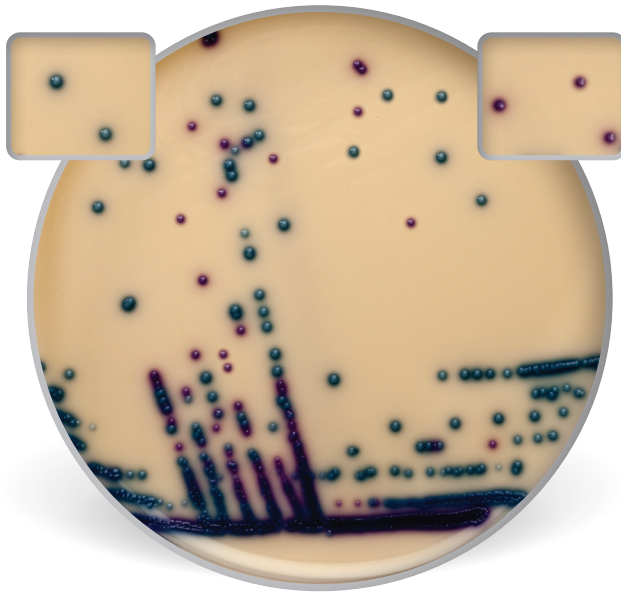
Image shown incubated: 18-24 h at 36 ± 1 °C, aerobic

Brilliance™ Chromogenic Media (clinical)

Brilliance VRE Agar

A chromogenic screening plate for the detection of vancomycin-resistant enterococci (VRE). The medium provides presumptive identification of *Enterococcus faecium* and *Enterococcus faecalis* in different target colors, direct from clinical samples in 24 hours. The high selectivity of the medium ensures growth of clinically relevant VRE.

Enterococcus faecalis NCTC 12201: Light blue colonies



Enterococcus faecium NCTC 12202: Indigo-purple colonies

Product code	Format
PP2401	90 mm plates

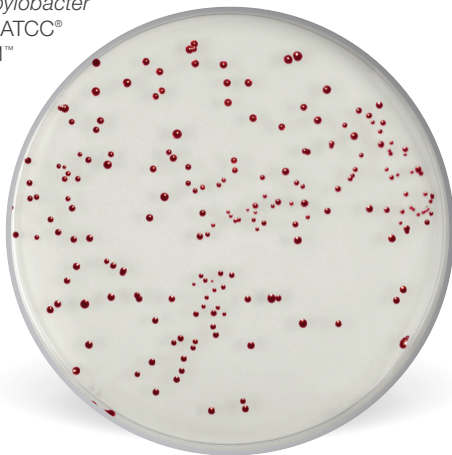
Image shown incubated: 18-24 h at 35-39 °C, aerobic

Brilliance Chromogenic Media (food and water)

Brilliance CampyCount Agar

A medium specifically designed for accurate, specific and easy enumeration of *Campylobacter jejuni* and *Campylobacter coli* from poultry and related samples. The transparent medium on which *Campylobacter* produces distinct dark red colonies makes identification and enumeration of *Campylobacter* significantly easier than on traditional charcoal or blood-containing agar. The transparent medium also allows enumeration using plate readers.

R4601400
Campylobacter jejuni ATCC® 33291™



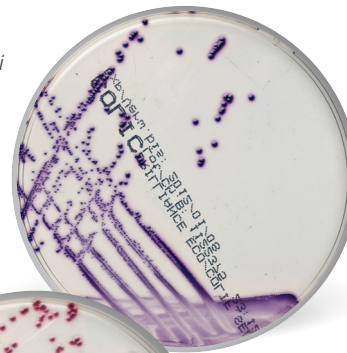
Product code	Format
PP2426	90 mm plates

Image shown incubated: 40-48 h at 42 ± 1 °C, microaerobic

Brilliance Escherichia coli/Coliform Selective Agar

A differential agar used for the presumptive identification of *Escherichia coli* and coliforms from food, environmental and water samples. The agar base uses two chromogens to differentiate between *Escherichia coli* and other coliforms.

R4607050
Escherichia coli
ATCC® 25922™



R4601800
Citrobacter freundii
ATCC® 8090™

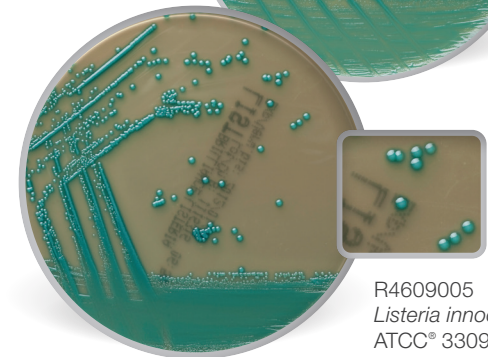
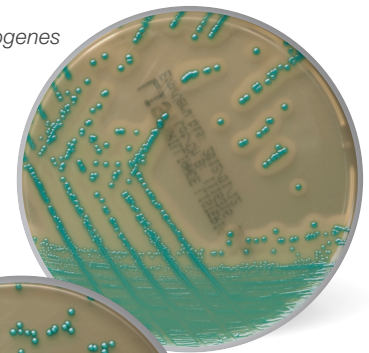
Product code	Format
PP2313	90 mm plates
PP2609	60mm plates

Image shown incubated: 18-24 h at 36 ± 1 °C, aerobic

Brilliance Listeria Agar

A medium for selective growth and differentiation of *Listeria monocytogenes* and *Listeria* spp. in food samples. Brilliance Listeria Agar can be used with ONE Broth™ Listeria Precis method for results within two days instead of three to five days (NF validation by AFNOR according to ISO16140 standard method).

Listeria monocytogenes
ATCC® 13932™



R4609005
Listeria innocua
ATCC® 33090™

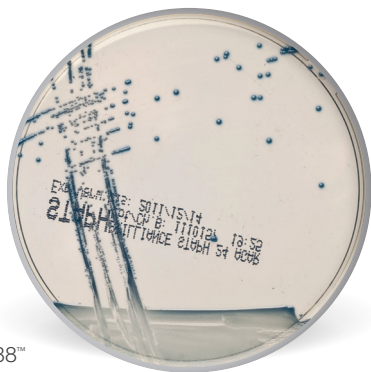
Product code	Format
PP2304	90 mm plates

Image shown incubated: 40-48 h at 36 ± 1 °C, aerobic

Brilliance Chromogenic Media (food and water)

Brilliance Staph 24 Agar

A selective chromogenic medium for the isolation and enumeration of coagulase-positive staphylococci in foods within 24 hours. Coagulase-positive staphylococci (CPS) grow as dark blue colonies on a clear background, making it much easier to read than existing Baird Parker Agar formulations. A result is achieved in 24 hours, far quicker than the 48 hours required for Baird Parker Egg Yolk Tellurite Agar (BP-EYT). Selective agents have been carefully designed to inhibit the growth of Gram-negative flora and non-target Gram-positive organisms. The chromogen is specifically activated by CPS, which colors positive colonies dark blue, while coagulase-negative staphylococci are inhibited or remain colorless.



R4609005
Staphylococcus aureus ATCC® 6538™

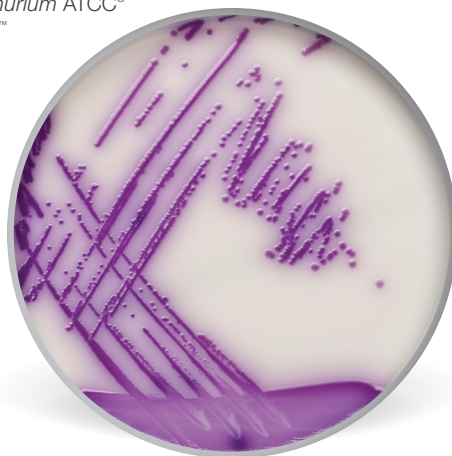
Product code	Format
PP2453	90 mm plates

Image shown incubated: 20-24 h at 36 ± 1 °C, aerobic

Brilliance Salmonella Agar

A selective medium for the presumptive identification of *Salmonella* spp. Brilliance Salmonella Agar incorporates Inhibigen technology, which ensures high selectivity of the medium. *Escherichia coli* is inhibited and overgrowth of the target organism is avoided. For food testing Brilliance Salmonella Agar can be used together with ONE Broth Salmonella obtaining results within two days instead of three to five days (NF validation by AFNOR according to ISO16140 standard method).

R4606000 *Salmonella typhimurium* ATCC® 14028™



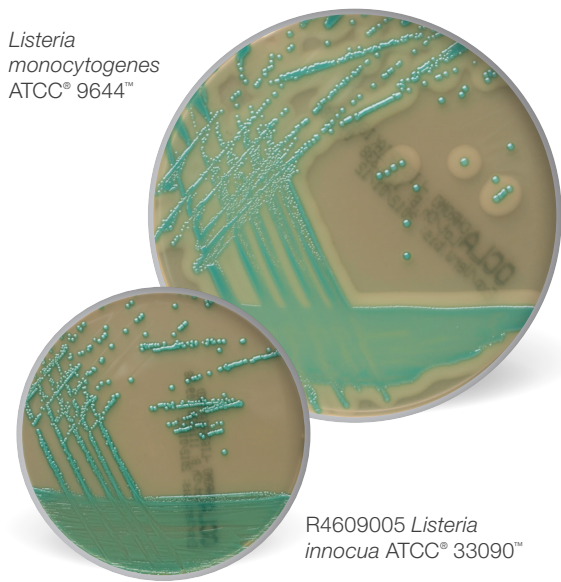
Product code	Format
PP2351	90 mm plates

Image shown incubated: 22-26 h at 36 ± 1 °C, aerobic

Chromogenic Listeria Agar (ISO)

A medium for isolation, enumeration and presumptive identification of *Listeria* spp. and *Listeria monocytogenes* from food and environmental samples. *Listeria monocytogenes* and pathogenic *Listeria ivanovii* are differentiated by their ability to produce the phospholipase enzymes, producing an opaque white halo around the colony. The formulation conforms to the ISO 11290-1 and 11290-2 standard methods.

Listeria monocytogenes ATCC® 9644™



R4609005 *Listeria innocua* ATCC® 33090™

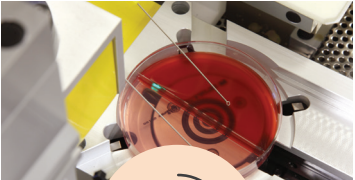
Product code	Format
PP2356	90 mm plates

Image shown incubated: 40-48 h at 36 ± 1 °C, aerobic

More efficient testing with biplates



50% more cold storage space



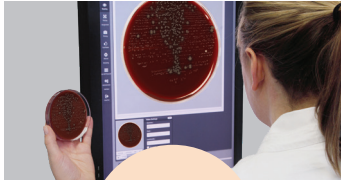
50% less hands on time



50% more incubator space



50% less confirmatory tests



50% less media waste



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