Clear & reliable results
presumptive identification of urinary pathogens

Brilliance™ UTI &
UTI Clarity™
Presumptive identification of common UTI isolates

Brilliance™ UTI and UTI Clarity™ media provide differentiation and presumptive identification of common urinary tract infection isolates.

Saves Time
- Presumptive identification of UTI organisms in 16 to 24 hours

Superior Performance
- The only medium to clearly differentiate between coliforms and enterococci
- Improved TDA reaction aids the identification of Proteus, Morganella and Providencia species
- Enhanced recovery of Staphylococcus aureus over other chromogenic media

Convenient & Easy to Use
- Improved colours aid interpretation
- Available as both opaque and transparent media

Reduced Costs
- Minimises confirmatory testing

Oxoid Brilliance UTI and Brilliance UTI Clarity Agars provide a reliable and rapid tool for the presumptive identification of urinary pathogens. The formulations contain two chromogenic substrates which are cleaved by the β-galactosidase and β-glucosidase enzymes produced by E. coli, Enterococcus species and coliforms. These specific enzyme reactions cleave the chromogens giving a range of diagnostic colours.

The β-galactosidase activity of E. coli and S. saprophyticus, results in pink/red colonies and the β-glucosidase activity of enterococci produces blue/turquoise colonies; the activity of both enzymes on coliforms gives dark blue/purple colonies.

Tryptophan deaminase activity produces a brown halo around colonies of Proteus, Morganella and Providencia species. Most other organisms exhibit their natural pigmentation.
Performance

An independent comparative trial of 1200 urine specimens confirmed that Brilliance UTI Clarity Agar identified the four most common urinary pathogens (E. coli, Klebsiella spp., Enterobacter spp. and Proteus spp.) with greater accuracy than other leading competitor media\(^1\).

Brilliance UTI Clarity Agar was the only chromogenic UTI medium to truly differentiate between coliforms and enterococci\(^1\).

<table>
<thead>
<tr>
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<th>Accuracy</th>
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<tbody>
<tr>
<td>Brilliance UTI Clarity</td>
<td>98.8%</td>
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<tr>
<td>Brand A</td>
<td>96.7%</td>
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<tr>
<td>Brand B</td>
<td>98.2%</td>
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Oxoid Brilliance UTI and Brilliance UTI Clarity Agars are for in vitro diagnostic use only, by experienced microbiologists. They must not be used beyond the stated expiry date, or if the product shows any sign of deterioration.

Presumptive identification of E. coli can be confirmed using a rapid indole test (DMAC) for same day results.

Rapid transportation and culture or preservation of samples is essential for reliable laboratory diagnosis. Clinical presentation should always be taken into consideration when diagnosing urinary tract infection.

Identifications are presumptive and should be confirmed.

Inoculate plate

Inoculate at 35°C-37°C for 16-24 hrs. Read results.

- Pink/Red: E. coli
- Turquoise/Blue-Green: Enterococcus spp.
- Dark Blue/Purple: coliforms
- Brown halo: Proteus, Morganella, Providencia
- Non-pigmented White: Staphylococci, Streptococci
- Pink: S. saprophyticus

For more information about the Thermo Scientific Brilliance range of chromogenic media and other products, please visit www.thermoscientific.com/microbiology or talk to your local representative.

References:
\(^1\) Data on file at Oxoid.