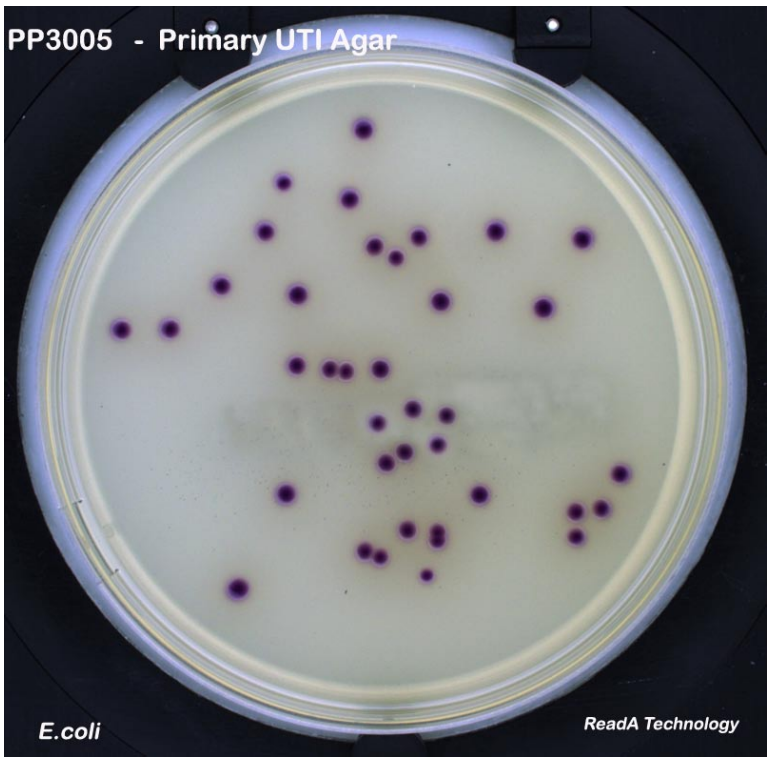
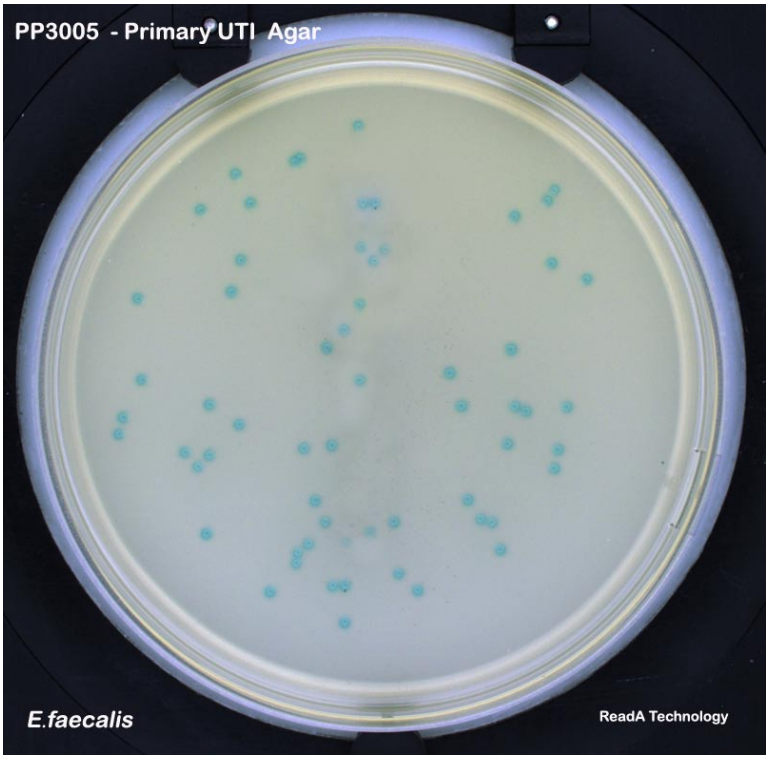
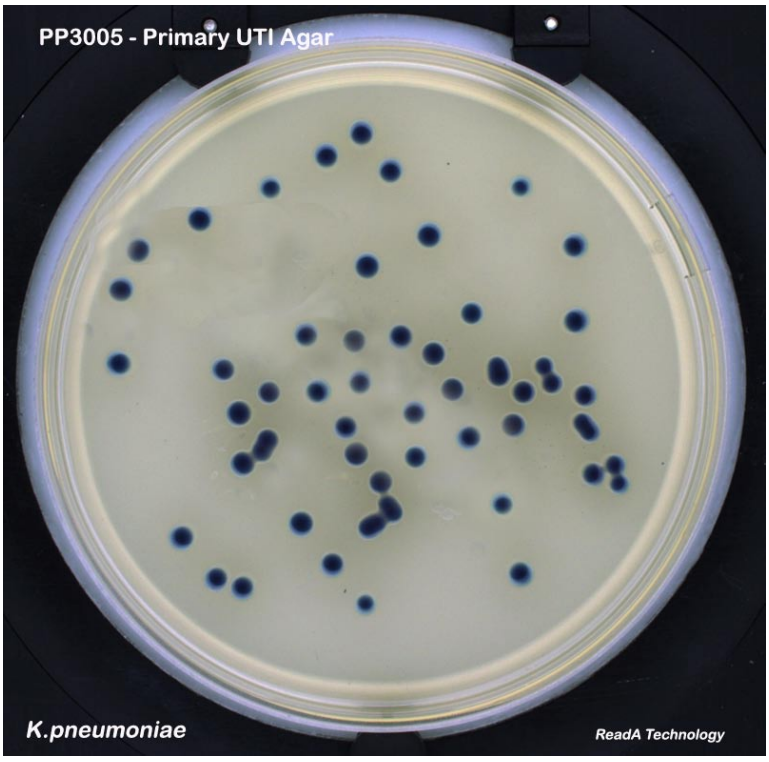
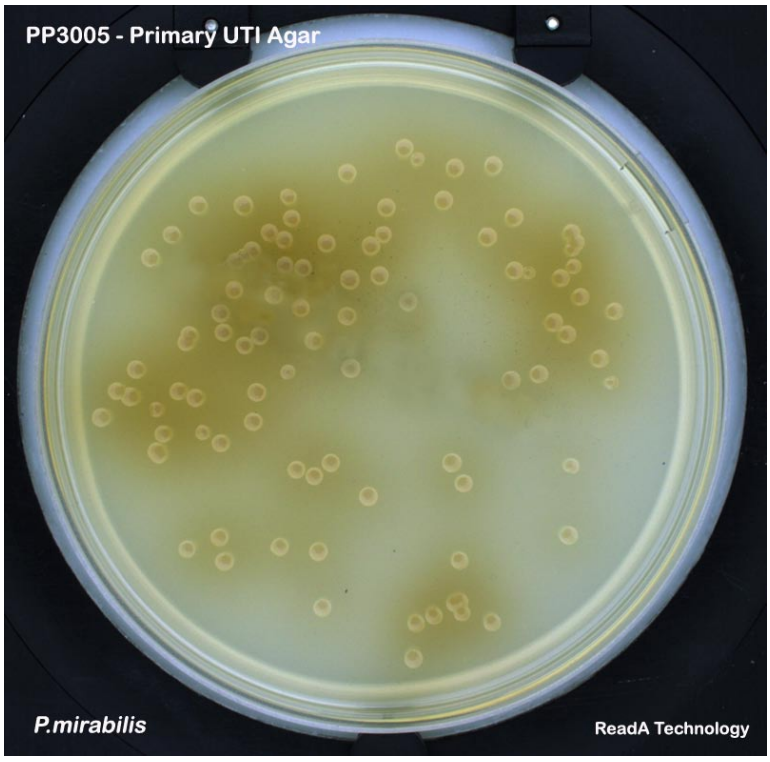



# PP3005 - Primary UTI Agar



# PP3005 Primary UTI Agar

Urinary Tract Infections (UTI) are one of the most common reasons for a visit to a GP surgery. 35-40% of all hospital acquired infections in the UK are attributed to UTIs. Gram –ve aerobic bacteria are usually responsible for UTIs with Escherichia coli isolated at a rate of 80-90% in first time infections. Whilst this rate drops to approximately 70% in subsequent incidences of infection, a wide range of other pathogenic and opportunistic bacterial species can also cause UTIs after antibiotic therapy or surgery. Therefore accurate diagnosis of the causative organism is required for the appropriate treatment regime to be prescribed.

Primary UTI is a chromogenic medium designed to facilitate the swift detection and presumptive identification of the major bacterial species responsible for UTIs.

## PRINCIPLE & INTENDED USE

Recent developments in culture media have given rise to the use of chromogenic substrates as a means of differentiating bacteria particularly among the coliform group of organisms. This is one such medium and has been developed with the aim of simplifying the differentiation and presumptive identification of the main organisms usually found in Urinary Tract Infections.
Based on the traditional CLED Medium, to prevent the swarming of Proteus spp, two chromogens are present in the medium. One allows the detection of enterococci giving rise to blue colonies whilst the second results in purple colonies of E. coli. Phenylalanine and Tryptophan are also included as indicators of Tryptophan Deaminase activity producing brown colonies of Proteus spp.

| **Formula** | **gm/litre** |
|---|---|
| Proprietary information | |

| **Properties** | |
|---|---|
| Appearance | Firm Gel |
| Colour | Clear |
| pH | 6.7 ± 0.2 |
| Storage | 2 - 8°C |
| Shelf Life | 42 days |

### Quality Control Methods and Test Organisms

| **Organisms** | **Ref.No.** | **Result** |
|---|---|---|
| *Enterococcus faecalis* | ATCC 29212 | Blue/aqua colonies |
| *Escherichia coli* | ATCC 25922 | Purple colonies |
| *Proteus mirabillis* | NCTC 10975 | Brown colonies |
| *Staphylococcus aureus* | ATCC 25923 | Cream colonies |
| *Enterobacter aerogenes* | NCTC 10006 | Metallic blue colonies |

Incubation Aerobically at 37°C for 18 - 24 hours

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