

SPECIMEN

Lab No : P000005
Specimen Type : Urine

MICROSCOPY

Leucocyte Range >500 x10E6/L (<10)
Erythrocyte Range >500 x10E6/L (<10)
Epithelial Cells not seen
Bacteria moderate

Antibacterial Activity Not Detected

CULTURE

1. Enterobacter cloacae >=10E8 cfu/L
2. Escherichia coli 0112 150

SENSITIVITIES: 1

Amox/Clavulanate R
Gentamicin S
Meropenem S
Nitrofurantoin R
Norfloxacin S
Trimethoprim S

COMMENT

Organism 1

ESCAPPM organisms include Enterobacter, Serratia, Citrobacter, Aeromonas, Hafnia, Providencia and Morganella. These bacteria possess inducible beta-lactamases and resistance may arise during treatment with the Penicillins (Amoxycillin, Augmentin, Timentin, Piperacillin and Tazobactam) and the Cephalosporins (Cephalothin, Cephazolin, Ceftriaxone, Cefotaxime, Ceftazidime and Aztreonam).

INTERPRETATION OF MIDSTREAM/CLEAN-CATCH URINE CULTURE RESULTS

A Bacterial Count of >=10e7 cfu/L is consistent with Urinary Tract Infection. There are no such quantitative ISOelines for Candida. A leucocyte count of >=10x10e6/L is abnormal. Epithelial cells, if present, may reflect urogenital contamination. An organism count >=10e7 cfu/L, in the absence of a raised leucocyte count, may reflect overflow from a bacteraemia or lack of specimen refrigeration with bacterial overgrowth prior to culture.

INTERPRETATION OF INDWELLING CATHETER URINE CULTURE RESULTS

If this urine was collected via an indwelling urinary catheter (IDC) results are consistent with either IDC colonisation or infection. Antibiotic therapy with the catheter in situ is seldom successful. IDC removal, if possible, or replacement is suggested. Treatment should be ISOed by clinical signs such as fever, pain and raised peripheral leucocyte count etc.