



## Lodestar DX

### Molecular UTI testing at the point-of-care

- 98% sensitivity and 91% specificity for *E.coli*
- 88% overall sensitivity and 84% specificity
- Results in 35 minutes
- No extraction step required
- Test for six pathogens simultaneously
- Small and portable - fits into the busiest lab, clinic or office
- Test the patient sample at any time on the day of collection

## Lodestar DX

- Isothermal LAMP technology provides molecular accuracy comparable to microbiological culture analysis
- Small footprint: 140 mm (w) x 200 mm (d) x 90 mm (h)
- Lightweight: 720 g
- Simple sampling steps with minimal preparation
- Green light indicates a negative result; red light indicates a positive result
- Operates on 240-12V power
- Connect to LIMS via Bluetooth or by USB
- No analyser maintenance or calibration is required
- 12 month warranty from date of installation

## UTI test panel

- Test for the six most common pathogens that cause UTI from one sample
- Detects multiple pathogens in a mixed growth sample
- Test strip includes positive and negative controls
- Only 10 µL of urine sample is required
- Allows informed prescribing decisions to be made

## Clinical performance evaluation

Assay	Sensitivity % (n)	Specificity % (n)
<i>E. coli</i>	98	91
<i>Enterococcus/S. aureus</i>	71	95
<i>Staph. saprophyticus</i>	100	98
<i>Proteus mirabilis</i>	86	96
<i>Pseudomonas aeruginosa</i>	100	96
<i>Klebsiella pneumoniae</i>	100	98

### Test urine for six pathogens quickly and easily



- Add urine to the diluent tube



- Mix into all six assay tubes and positive control



- Place test panel in Lodestar DX
- Results in 35 minutes

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