

CERTIFICATE OF ANALYSIS

QA/F/01 Rev no. 03

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|--------------------------|---|
| PRODUCT : | Diagnostic stuart's urea broth base (urea broth base) |
| PRODUCT CODE NO.: | B496 |

QUALITY CONTROL TESTS : DEHYDRATED MEDIUM

| PARAMETERS | SPECIFICATIONS/STANDARD VALUES |
|-------------------|--------------------------------|
| COLOR | Light pink to orange |
| APPEARANCE | Homogenous free flowing powder |

QUALITY CONTROL TESTS : REHYDRATED MEDIUM

| PARAMETERS | SPECIFICATIONS/STANDARD VALUES |
|------------------------------------|--------------------------------|
| pH(post autoclaving/heating) | 6.8+/-0.2 |
| COLOR (post autoclaving/heating) | Yellow orange |
| CLARITY (post autoclaving/heating) | clear solution |

QUALITY CONTROL TESTS : MICROBIOLOGICAL CULTURAL RESPONSE:

Cultural characteristics observed on addition of sterile 40% urea solution after an incubation at 35-37°C for 18-24hours.

| Organism Description | Inoculum (CFU) | Growth | Urease |
|-----------------------------------|----------------|-------------|------------------------------------|
| Enterobacter aerogenes ATCC 13048 | [50-100] | [luxuriant] | [negative reaction, no change] |
| Escherichia coli ATCC 25922 | [50-100] | [luxuriant] | [negative reaction, no change] |
| Klebsiella pneumoniae ATCC 13883 | [50-100] | [luxuriant] | [positive reaction, cerise colour] |
| Proteus vulgaris ATCC 13315 | [50-100] | [luxuriant] | [positive reaction, cerise colour] |
| Salmonella typhimurium ATCC 14028 | [50-100] | [luxuriant] | [negative reaction, no change] |
| Escherichia coli ATCC 8739 | [50-100] | [luxuriant] | [negative reaction, no change] |
| Klebsiella pneumoniae ATCC 10031 | [50-100] | [luxuriant] | [positive reaction, cerise colour] |
| Escherichia coli NCTC 9002 | [50-100] | [luxuriant] | [negative reaction, no change] |