

BT-SPEC-0065

Distribution: Central File

Date: 09/11/10

Supersedes: 12/08/08

OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

MRVP MEDIUM

CM0043

Typical Formula*

| | | |
|------------------|-----------------|-----|
| Peptone | grams per litre | 7.0 |
| Glucose | | 5.0 |
| Phosphate buffer | | 5.0 |

* adjusted as required to meet performance standards

Directions

Dissolve 17g in 1 litre of distilled water. Mix well and distribute into final containers. Sterilize by autoclaving at 121°C for 15 minutes.

Physical Characteristics

Straw, free-flowing powder
Colour on reconstitution - straw 2-3
Moisture level - less than 7%
pH 6.9 ± 0.2 at 25°C
Clarity - clear

Microbiological Tests Using Optimum Inoculum Dilution

Reactions after incubation at 30°C for 3 days

Two tubes of broth are inoculated for each organism. After incubation, the MR and VP tests are carried out as specified in the Oxoid Manual.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

| | | | MR | VP |
|------------------------------|-------------|---------------|-----------|-----------|
| <i>Escherichia coli</i> | ATCC® 25922 | Turbid growth | Positive | Negative |
| <i>Escherichia coli</i> | ATCC® 8739 | Turbid growth | Positive | Negative |
| <i>Escherichia coli</i> | ATCC® 35218 | Turbid growth | Positive | Negative |
| <i>Klebsiella pneumoniae</i> | ATCC® 13883 | Turbid growth | Positive | Negative |
| <i>Proteus hauseri</i> | ATCC® 13315 | Turbid growth | Positive | Negative |
| <i>Proteus mirabilis</i> | NCTC 10975 | Turbid growth | Positive | Negative |
| <i>Morganella morganii</i> | ATCC® 25830 | Turbid growth | Positive | Negative |
| <i>Enterobacter cloacae</i> | ATCC® 23355 | Turbid growth | Negative | Positive |

A satisfactory result is represented by reactions in accordance with the specification.