

Listeria System 18R Reagent

Reagents for use with Listeria System 18R.

DESCRIPTION

Listeria System 18R Reagent is a kit containing the following reagents:

Alpha Naphtol, NaOH 40%, Hydrogen Peroxide, Methyl Red, Sulphanilic Acid, Alpha Naphthylamine, Kovac's Reagent and Vaseline Oil

KIT CONTENT

- 1 x 10 ml vial of Alpha Naphtol
- 1 x 10 ml vial of NaOH 40%
- 1 x 5 ml vial of Hydrogen Peroxide
- 1 x 10 ml vial of Methyl Red
- 1 x 10 ml vial of Sulphanilic Acid
- 1 x 10 ml vial of Alpha Naphthylamine
- 1 x 13 ml vial of Kovac's Reagent
- 1 x 16 ml of Vaseline Oil

METHOD PRINCIPLE

Alpha Naphtol and NaOH 40% are used to carry out the Voges-Proskauer test into the well 18-VP.

Hydrogen Peroxide is used to carry out the catalase test into the well 6-CAT.

Methyl Red is used to carry out the methyl red test into the well 7-MR.

Sulphanilic Acid and Alpha Naphthylamine are used to carry out the nitrate test into the well 17-NIT.

Kovac's Reagent is used to carry out the indole test into the well 4-IND.

Vaseline Oil is used for the maintenance of a sufficiently anaerobic environment into the wells 2-UR and 3-H₂S.

REAGENTS

- Alpha Naphtol: 6% (w/v) alpha naphtol dissolved in ethyl alcohol.
- NaOH 40%: 40% (w/v) sodium hydroxide in aqueous solution.
- Hydrogen Peroxide: 7.5% (v/v) hydrogen peroxide solution.
- Methyl Red: 0.02% (w/v) methyl red dissolved in an aqueous solution containing 60% ethyl alcohol.
- Sulphanilic Acid: 0.8% sulphanilic acid dissolved in 5N acetic acid.
- Alpha Naphthylamine: 0.5% alpha naphthylamine dissolved in 5N acetic acid.
- Kovac's Reagent: 5% (w/v) *p*-dimethylaminobenzaldehyde dissolved in a solution of 25% hydrochloridric acid and 75% isobutyl alcohol.
- Vaseline Oil.

TEST PROCEDURE AND RESULTS INTERPRETATION

Refer to the package insert provided with Listeria System 18R.

QUALITY CONTROL FOR THE USER

For each reagent, check positive and negative results by using suitable organisms, according to bibliographic references.

PRECAUTIONS

For professional use only. Operators must be trained and have certain experience in the laboratory methods. Please read the instructions carefully before using this product.

Consult the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

STORAGE

Store at 2-8°C away from light in its original package, until the expiry date shown on the label. Eliminate if signs of deterioration or contamination are evident.

ELIMINATING USED MATERIAL

After use, used Listeria System 18R Reagent and the material that has come into contact with the sample must be decontaminated and disposed of in accordance with the laboratory procedures for the decontamination and disposal of potentially infected material.











BIBLIOGRAPHY

1. Murray, Baron, Pfaller, Tenorev and Tenover: Manual of Clinical Microbiology (1995).
2. Bayley and Scott's: Diagnostic Microbiology (1986).
3. Edwin H. Lennette: Manual of Clinical Microbiology (1995).

PRESENTATION

Product	Ref.	Content
Listeria System 18R Reagent	80257	100-200 tests

TABLE OF SYMBOLS

 LOT	Batch code	 Do not reuse	 Manufacturer	 Use by	 Fragile, handle with care
 REF	Catalogue number	 Temperature limitation	 Contains Sufficient for <n> tests	 Consult instruction for use	 Do not reuse



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