Dorset Egg Medium
(For maintenance of organisms)

Directions
Smear on the slant and incubate at 37 °C with the rubber stopper loosened (in case of Mycobacterium species, replace the rubber stopper with a cotton plug, which is again replaced with a rubber stopper after several days). After growth, put the rubber stopper tightly and keep at an adequate temperature.

Determinations
A method of maintenance of organisms:
The temperature and term for maintenance of organisms on this medium vary with strains of bacteria. Maintenance of strains should be conducted in the following technique.
Mycobacterium: Incubate at 37 °C and store at room temperature (15 - 25 °C). Subculture every 6 months.
Nocardia: Apply in the same method as in case of Mycobacterium, except for sub-cultivation of every 3 months.
Meningococci: Incubate at 37 °C and store at 4 °C.
Enterobacteriaceae: Subculture Salmonella once every year, and Shigella or Escherichia coli every 6 months.

Notes:
This medium is not suitable for the preservation of organisms which produce protease (for example, Vibrio and Pseudomonas).

Remarks
This medium is the modification of the egg medium described by Dorset for isolation and cultivation of Mycobacterium species. The modification is performed by replacing broth with physiological saline solution.
Use for the following purposes: Maintenance of organisms. (By using the medium strains can be preserved with the least variations of properties such as S-R variations, colicinogenicity, colicin tolerance and drug sensitivity.) Pure culture of Mycobacterium species. Determination of the proteolytic activity of organisms.
This medium is prepared by distributing 3 mL amounts into narrow test tubes, solidifying into a slant after sterilization.

Formula

<table>
<thead>
<tr>
<th>Components</th>
<th>In 1 L</th>
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<tbody>
<tr>
<td>Fresh Egg Mixture (yolks and whites)</td>
<td>800 mL</td>
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<tr>
<td>0.9% Sodium Chloride Solution</td>
<td>200 mL</td>
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<td>pH 7.5 ± 0.3</td>
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