Plate Count Skim Milk Agar
Art. No. 01-412

Specification
Solid medium for the plate count of milk and dairy products, according to DIN and FIL/IDF standards.

Formula* in g/L
Casein peptone .................................................. 5,00
Yeast extract .......................................................... 2,50
Skimmed milk ..................................................... 1,00
Dextrose ............................................................. 1,00
Agar ..................................................................... 10,50
Final pH 7,0 ± 0,2 at 25ºC
* Adjusted and /or supplemented as required to meet performance criteria

Directions
Suspend 20 g of powder in 1 L of distilled water and let it soak. Bring to the boil, constantly stirring. Distribute into suitable containers and sterilize in the autoclave at 121ºC for 15 minutes.

Description
This medium, with added milk, is more nutrient rich than other standard media; however, the opalescence of the medium makes early observations sometimes difficult.
Due to its lower agar concentration, it may be used for the pour plate method or the spread plate method.

References

Storage
For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4ºC to 30ºC and <60% RH).

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Quality control

**Incubation temperature:** 35°C ± 2.0
**Incubation time:** 24 - 48 h
**Inoculum:** 10-100 CFU. Spiral Plate Method (according to standard ISO/TS 11133-1/2)

<table>
<thead>
<tr>
<th>Microorganism</th>
<th>Growth</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td><em>Escherichia coli</em> ATCC 25922</td>
<td>Productivity &gt; 0.70</td>
<td>-</td>
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<tr>
<td><em>Bacillus subtilis</em> ATCC 6633</td>
<td>Productivity &gt; 0.70</td>
<td>-</td>
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<tr>
<td><em>Bacillus cereus</em> var. mycoides ATCC 11778</td>
<td>Productivity &gt; 0.70</td>
<td>-</td>
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<tr>
<td><em>Staphylococcus aureus</em> ATCC 6538</td>
<td>Productivity &gt; 0.70</td>
<td>-</td>
</tr>
<tr>
<td><em>Listeria monocytogenes</em> ATCC 19114</td>
<td>Productivity &gt; 0.70</td>
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</tbody>
</table>

![Staphylococcus aureus ATCC 6538](image1.png)
![Escherichia coli ATCC 25922](image2.png)
![Listeria monocytogenes ATCC 19114](image3.png)