

Chloramphenicol Agar

Selective medium to isolate and count moulds in milk and dairy products

Formula in grams per liter:

Dextrose	20,00	Yeast extract	5,00
Chloramphenicol	0,10	Bacteriological Agar	12,00

Final pH: 6,6 ± 0,2 at 25 °C

Preparation:

Suspend 37,1 grams of the medium in one litre of distilled water. Mix well to obtain an homogeneous suspension. Heat with frequent agitation and boil for one minute until completely dissolved. Distribute and sterilize at 121°C (15 lbs. sp.) for 15 minutes. **DO NOT OVERHEAT** as it will facilitate the hydrolysis of the components and the medium will remain soft.

Uses:

This medium is recommended by International Dairy Federation (FIL-IDF), International Organization for Standardization (ISO), and DIN for isolation and enumeration of yeasts and moulds in milk and dairy products.

The presence of Chloramphenicol inhibits most of contaminant bacteria in the medium.

Microbiological Tests:

Microorganisms	Growth
<i>Candida albicans</i> ATCC 2091	Satisfactory
<i>Candida tropicalis</i> ATCC 750	Satisfactory
<i>Escherichia coli</i> ATCC 25922	Inhibited
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited

