



## Product Information

### CRAMP AGAR BASE (CONGO RED ACID MORPHOLINE PROPANE SULFONIC ACID PIGMENTATION)

Product Number **C5970**  
Storage Temperature 24°C

#### Product Description

Cramp Agar Base is used for the cultivation of the *Yersinia* species with plasmids. *Yersinia* is classified in the family *Enterobacteriaceae* and are gram-negative bacilli which are usually nitrate reductase positive, oxidase negative and urease positive. Casein acid hydrolysate supplies nitrogenous nutrients. Morpholine propane sulfonic acid and tricine are the buffers in the medium. Galactose is the carbohydrate source in the medium. Congo red is the pH indicator in the medium.

#### Components

Item	g/L
Casein Acid Hydrolysate	2.00
Galactose	2.00
Sodium Chloride	2.90
Morpholine Propane Sulfonic Acid	8.40
Ammonium Chloride	0.50
Sodium Thiosulphate	0.60
Dipotassium Phosphate	0.24
Magnesium Sulphate	0.0986
Tricine	1.80
Congo Red	0.005
Agarose	14.00

Final pH (at 25°C) 5.3 ± 0.2

**Precautions and Disclaimer** For laboratory use only.  
Not for drug, household or other uses.

#### Preparation Instructions

Suspend 32.54 grams of CRAMP Agar Base in 1000 mls of distilled water. Heat if necessary to dissolve the medium completely. Distribute into tubes or erlenmeyer

flasks. Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes.

#### Storage

Store the dehydrated medium at 24°C and the prepared medium at 2-8° C.

#### Product Profile

Appearance	Pinkish beige colored, homogeneous, free flowing powder.
Gelling	Firm.
Color and Clarity	Red colored, slightly opalescent gel forms in petri plates.
Cultural Response	Cultural characteristics observed after 24-48 hours at 32°C.
Organisms	Growth
<i>Yersinia enterocolitica</i>	luxuriant

#### References:

1. Compendium of Methods for the Microbiological Examination of Foods. (1992). Vanderzant, C., et al., eds. 3<sup>rd</sup> Edition. APHA. Washington, D.C.

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