



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product **MacConkey Agar Base**
Code No. **DM 2024**
Section 1 : **Chemical Identification**
Code No. : DM 2024
Name of the Product : MacConkey Agar Base
Produced by : Central Drug House Pvt. Ltd.
Address : 7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)
Tel. No. : 00 91 11 49404040

Section 2	Chemical Identification	Ingredients	Grams/Litre	Ingredients	Grams/Litre
	Peptic digest of animal tissue		17.00	Proteose peptone	3.00
	*Bile salts		1.50	Sodium chloride	5.00
	*Neutral red		0.03	*Crystal violet	0.001
	Agar		13.50		
	Final pH (at 25°C)		7.1±0.2		
	* Irritant / Harmful / Dangerous for the environment material				



Bile salts
S : 22-24/25
Neutral red
CAS No. : 553-24-2
R : 22 S : 22-24/25
RTECS : SG 1400000
Crystal violet
CAS No. : 548-62-9
R : 22-41-50/53 S : 26-39-60-61
RTECS : BO 9000000

Section 3 Hazards Identification



Hazard : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.
Caution : Do not breathe vapours and avoid contact with skin and eyes.



Hazard : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.
Caution : Avoid contact with the human body, including inhalation of the vapours and in cases of malaise consult a doctor.



Hazard : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term.
Caution : Avoid release to the environment.

Section 4 First - Aid Measures

In case of swallowing, wash out mouth with water provided person is conscious. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of inhalation, remove to fresh air. If breathing becomes difficult, call physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eyelids with fingers. In serious conditions, call a physician, show the container or label.

Section 5 Fire Fighting Measures

Extinguishing Media. Water spray. Carbon dioxide, dry chemical powder or appropriate foam. Special fire-fighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 Handling and Storage

Handling - Refer to Section 8
Storage - Store below 30°C

Section 8 Exposure Controls / Personal Protection

Wear appropriate Niosh/Msha-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

Section 9 Physical and Chemical Properties

Appearance : Homogeneous powder.



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Colour : Light yellow to pink

Section 10

Stability and Reactivity

Stability : Product is stable if stored as per the conditions specified under storage of Section No. 7.
Product loses its potency/performance above 45°C.
Conditions to avoid : Heat and light.
Hazardous polymerization will not occur.

Section 11

Toxicological Information

Acute Effects : May be harmful if swallowed.
Exposure can cause : Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
RTECS No. : SG 1400000 BO 9000000
For complete information RTECS may be referred.

Section 12

Ecological Information

Data not available

Section 13

Disposal Considerations

On completion of work all used or unusable preparations of this product and derivatives thereof are to be disposed off by autoclaving and/or by incineration. Dispose off waste in accordance with all applicable Federal, State and local laws.

Section 14

Transport Information

UN No. : Not applicable.

Section 15

Regulatory Information

Risk Phrases : Harmful if swallowed
Risk Phrases : Risk of serious damage to eyes
Risk Phrases : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Safety Phrases : Do not breathe dust
Safety Phrases : Avoid contact with skin and eyes
Safety Phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Safety Phrases : Wear eye/face protection
Safety Phrases : This material and its container must be disposed of as hazardous waste
Safety Phrases : Avoid release to the environment. Refer special instructions/Safety data sheets



Skin Irritation

Significance of signs : This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.



Skin Irritation

Significance of signs : Inhalation and ingestion of, or skin penetration by these substances is harmful to one's health. Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.



Hazardous to the aquatic environment

Significance of signs : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term.

Section 16

Other Information

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.