HIMEDIA LABORATORIES PVT.LTD
INDIA

WEBINAR TOPIC

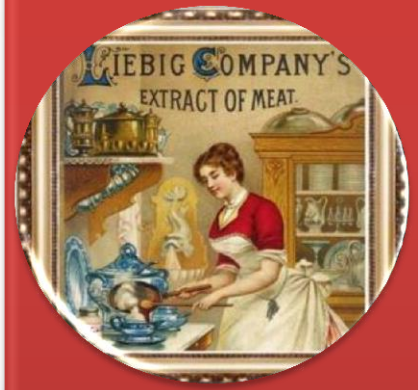
HIENCAP™ MEDIA	GRANULATED MEDIA	CHROMOGENIC MEDIA

HIMEDIA®
For life is precious

HiEncap™ Culture Media

HIMEDIA®

ADVANCEMENT IN CULTURE MEDIA FORMS



19th Century- Media preparation with minced meat and other ingredients

20th century- dehydrated culture media

21st century- Encapsulated culture media

HIMEDIA®

HiEncap™ Culture Media

Features

- User friendly
- Simple boiling required
- Accurate and reliable

Advanatges

- Premeasured media
- Saves time ,avoid hassles of weighing and wastage
- Ready to be autoclaved
- pH adjusted
- Prevents generation of aerosols

Applications

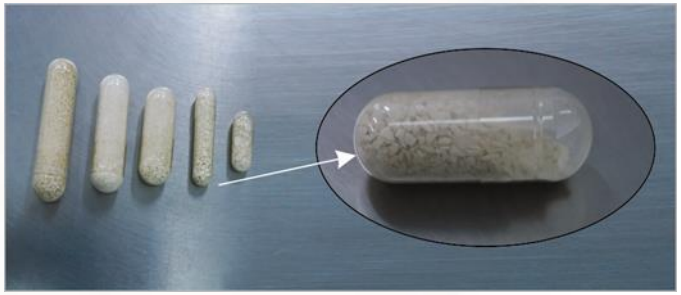
- Clinical, Food, Water, Dairy,Industries,Cosmetics, Pharma, Molecular Biology

HIMEDIA®

HiEncap™ Culture Media

Features

- Dehydrated media enclosed in a gelatin capsule free of TSE/BSE risks
- Three easy steps :
  Simply suspend in water, autoclave and use
- Premeasured quantity stored in each capsule (250 ml, 500ml, 1000ml)



HIMEDIA®

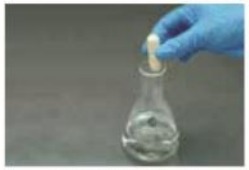
HiEncap™ Culture Media Capsules

Range of HiEncap™ Culture Media for 100 ml, 250 ml, 500 ml & 1000 ml

HiEncap™ Media Preparation

Simple requirement, HiEncap™ Culture Media & Water for preparation

Step A - Suspending HiEncap™ Culture Media in Distilled Water / Purified Water



Preparing 100 ml Media

Preparing 250 ml Media

Preparing 500 ml Media

HiEncap™ Culture media suspended

Step B - Heating HiEncap™ Culture Media to Dissolve & Digest the Medium (100°C or BWB or Microwave Oven)

Heating 100 ml Media

Heating 250 ml Media

Heating 500 ml Media

Heating HiEncap™ Culture media in Microwave Oven

Step C - Pre Heating Facilitates Digestion of HiEncap™ Culture Media

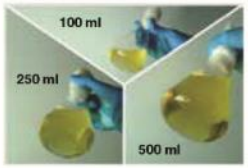
Digestion of 100 ml Media

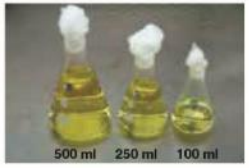
Digestion of 250 ml Media

Digestion of 500 ml Media

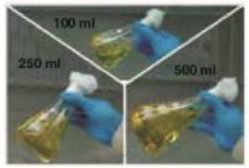
Digestion of HiEncap™ Culture Media

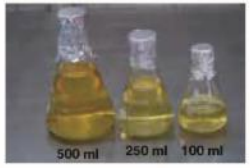
Step D - Homogeneous Medium Ready for Autoclaving





Step E - Homogeneous Medium after Autoclaving





HiEncap™ Culture Media

Code	Product
EC073	HiEncap™ Blood Agar Base
EC211	HiEncap™ Brain Heart Infusion Agar
EC210	HiEncap™ Brain Heart Infusion Broth
EC614/EC1494I	HiEncap™ Buffered Peptone Water
EC557	HiEncap™ Luria Agar
EC1726	HiEncap™ Luria Agar Base, Miller's Modification
EC1151	HiEncap™ Luria Bertani Agar, Miller
EC1245	HiEncap™ Luria Bertani Broth, Miller
EC575	HiEncap™ Luria Broth
EC1725	HiEncap™ Luria Broth Base, Miller's Modification
EC081	HiEncap™ MacConkey Agar w/0.15%Bile Salts, CV and NaCL
EC082A	HiEncap™ MacConkey Agar w/o CV, NaCL w/0.5% Bile Salts
EC083	HiEncap™ MacConkey Broth Purple w/ BCP
EC007	HiEncap™ MacConkey Broth w/ Neutral Red
EC173	HiEncap™ Mueller Hinton Agar
EC1084	HiEncap™ Mueller Hinton Agar No. 2
EC391	HiEncap™ Mueller Hinton Broth
EC001	HiEncap™ Nutrient Agar
EC002	HiEncap™ Nutrient Broth
ECG020	HiEncap™ NZYM Growth Medium
EC091	HiEncap™ Plate Count Agar

Code	Product
EC096	HiEncap™ Potato Dextrose Agar
EC403	HiEncap™ Potato Dextrose Broth
EC063	HiEncap™ Sabouraud Dextrose Agar
EC033	HiEncap™ Sabouraud Dextrose Broth
ECG016	HiEncap™ SOB Growth Agar
ECG014	HiEncap™ SOB Growth Medium
EC1252	HiEncap™ SOB Medium
EC1379	HiEncap™ SOC Broth
ECG015	HiEncap™ SOC Growth Medium
EC290	HiEncap™ Soyabean Casein Digest Agar
EC011	HiEncap™ Soyabean Casein Digest Medium
EC1316	HiEncap™ Super Broth
EC1689	HiEncap™ Super Broth No. II
ECG002	HiEncap™ Super Growth Agar
EC1250	HiEncap™ Terrific Broth (HiEncap™ Tartoff -Hobbs Broth)
ECG039	HiEncap™ YEP Growth Medium
EC1363	HiEncap™ YPD Broth (HiEncap™ YEPD Broth)
ECG038	HiEncap™ YPD Growth Agar (HiEncap™ YEPD Growth Agar)
EC1369	HiEncap™ YT Agar
EC1251	HiEncap™ YT Broth (HiEncap™ 2 XT Broth)
ECG031	HiEncap™ YT Growth Medium

ECXXXM capsules contains media for preparing 1000 ml medium
ECXXXD capsules contains media for preparing 500 ml medium
ECXXXCCL capsules contains media for preparing 250 ml medium

HIMEDIA®

Granulated Media

ONLY SINGLE COMPETITOR IN GLOBAL MARKET

HIMEDIA®

Granulated Media

- More than 150 granulated medias listed in catalogue

- Developed for users

  ….aerosol conscious
- Safe for use
- Less dust formation

HIMEDIA®

Granulated Media

- Combines the high throughput technology of granulation and production of dehydrated culture media

- Has similar quality attributes with several added benefits in physical parameters

HIMEDIA®

For life is precious

Granulated Media

- Offering granulated media since 3 years
- Superior granulation technology
- Reduces aerosol formation
- Discrete flow properties
- Enhanced solubility
- Maximum wettability

HIMEDIA®
For life is precious

Granulated Media

- Granular forms can be manufactured for all existing media types
- Available for all applications

  Food, Pharma, Clinical, Water, Cosmetics,

  Dairy, Milk, Environment,

  Research, Laboratory testing etc.

Formulas & Testing Specifications

- Pharma guidelines
  USP/BP/EP/JP/IP for pharma applications
- Food & Water as per ISO, FDA
  BAM guidelines, APHA guidelines
- Clinical as per CLSI guidelines

  Clinical handbook of Microbiology
- Other Standard Specifications

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Quality Control Testing*

Testing parameters

- Appearance
- pH
- Solubility
- Gelling
- Recovery (GPT Test)*
- Stability

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Diligent Quality Control

- Preparation of media
- Pouring of media
- Quantitative, semiquantitative and qualitative evaluations as in this standard
- Using Standard technique Results compared with standard reference medium (mandatory for quantitative methods) and compared with gold standard (previously approved batch)

ISO 11133:2014

- Productivity & Selectivity limits
- Target & Non target organism
- Initial inoculum level defined for carrying out recovery testing
- PR of 0.7 ,PR of 0.5
- Recovery is 0.7 x100= 70%, 0.5x 100= 50%
- Quantitative testing and reporting on COA as specified in ISO 11133: 2014

HiMedia Laboratories Private Limited
23, Vadhani Industrial Estate, L.B.S. Marg, Mumbai - 400086
Website : www.himedialabs.com, Email : info@himedialabs.com

Certificate of Analysis, Quality and Conformity

Material Code : GM043	**Material Name** : Baird Parker Agar Base Granulated	**Lot No** : 0000280394
Report No.: 040000683933	**Date of Report** : 11.11.2016	**Expiry Date** : Oct-2021

Appearance
Cream to yellow coloured, granular medium. Observed : Light yellow

Gelling
Firm, comparable with 2.0% agar gel.

Colour and Clarity of prepared medium
Basal medium: Yellow coloured clear to slightly opalescent gel. After addition of Egg Yolk Emulsion and Tellurite Emulsion: Yellow colou red opaque gel forms in Petri plates.

Reaction
Reaction of 6.3% w/v aqueous solution at 25°C.

pH
pH Range :6.80-7.20 Observed : 7.10

Cultural response
Cultural response was observed after an incubation at 35-37°C for 24-48 hours. Recovery rate is considered as 100% for bacteria growth on Soyabe an Casein Digest Agar.

Organism	Inoculum (CFU)	Growth	Let value (CFU)	Recovery	Colour of colony	Lecithinase
Cultural response						
Staphylococcus aureus ATCC 6538	87	luxuriant	82	94%	grey-black shiny	Positive, opaque zone around the colony
Staphylococcus aureus ATCC 25923	83	luxuriant	76	91%	grey-black shiny	Positive, opaque zone around the colony
Proteus mirabilis ATCC 25933	82	good – luxuriant	81	99%	brown - black	Negative
Micrococcus luteus ATCC 10240	80	poor - good	28	35%	shades of brown-black (very small)	Negative
Staphylococcus epidermidis ATCC 12228	89	poor - good	30	34%	black	Negative
Bacillus subtilis ATCC 6633	84	none - poor	3	3%	dark brown matt	Negative
Escherichia coli ATCC 8739	81	none- poor	6	7%	large brown black	Negative
Escherichia coli ATCC 25922	85	none- poor	6	7%	large brown black	Negative
Escherichia coli NCTC 9002	89	none- poor	4	4%	large brown black	Negative

- ATCC is a registered trade mark of the American Type Culture Collection
- NCTC and National Collection of Type Culture are registered trade mark of the Health Protection Agency

Control Media :

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Certificate of Analysis, Quality and Conformity

Material Code : GM043	**Material Name** : Baird Parker Agar Base Granulated	**Lot No** : 0000280394
Report No.: 040000683933	**Date of Report** : 11.11.2016	**Expiry Date** : Oct-2021

- For Bacteria : Soyabean Casein Digest Agar / Columbia Blood Agar base enriched with 5% v/v Sheep/Horse blood.
- For Yeast & Mold : Sabouraud Dextrose Agar.

- All ISO 11133 : 2014(E) control strains are included in the Quality parameter
- HiMedia Laboratories Pvt Ltd is certified for ISO 9001-2008, ISO 13485-2003 and WHO GMP.

. Information for BSE/TSE Risk: The material was subjected to pH <= 7.0 and/or a temperature in excess of 75°C for no less than 2 hours during the manufacturing process. The bovine raw material for this product was collected entirely from Indian Origin animals in a licensed based establishment. The animals are inspected under a Govt. approved veterinarian's supervision and were apparently free from infectious and contagious diseases. BSE (Bovine Spongiform Encephalopathy)/ TSE (Transmissible Spongiform Encephalopathy) and dioxine are not known to exist in India. This material does not contain, nor is derived from the specific risks material as defined in The Maharashtra Animal Preservation Act Govt. of Maharashtra, India.

STATUS OF THE MATERIAL : APPROVED

This is to certify that this lot passes and it confirms to the above mentioned tests and specifications . The information given here is believed to be correct and accurate, however, both the information and products are offered without warranty for any particulars use, other than that specified in the current HiMedia manual or product sheets. The results reported were obtained at the time of release.

This document has been produced electronically and is valid

Microbiologist/Analyst | Dy QC/Dy QA Manager | Quality Assurance Manager

11.11.2016

Testing as per ISO 11133:2014

Cultural response

Cultural characteristics was observed after an incubation for Bacterial at 30-35°C 18-24 hours and for Fungal at 30-35°C <=5days.

Organism	Inoculum (CFU)	Observed Lot value (CFU)	Recovery	Observed Lot value (CFU) w/blood	Recovery w/ blood	Haemolysis
Bacillus subtilis ATCC 6633 (00003)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	none
Staphylococcus aureus ATCC 25923 (00034)*	50 -100	35 -100	>=70 %	35 -100	>=70%	beta
Staphylococcus aureus ATCC 6538 (00032)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	beta
Escherichia coli ATCC 25922 (00013)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	none
Escherichia coli ATCC 8739 (00012)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	none
Escherichia coli ATCC 11775 (00090)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	none
*Escherichia coli NCTC 13167 (00179)**	50 -100	35 -100	>=70 %	35 -100	>=70 %	none
Escherichia coli NCTC 9002	50 -100	35 -100	>=70 %	35 -100	>=70 %	none
Pseudomonas aeruginosa ATCC 27853 (00025)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
Pseudomonas aeruginosa ATCC 9027 (00026)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-

Testing as per ISO 11133:2014

Pseudomonas aeruginosa ATCC 10145 (00024)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
Salmonella Abony NCTC 6017 (00029)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
Micrococcus luteus ATCC 9341	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
Streptococcus pneumoniae ATCC 6305	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
Salmonella Typhimurium ATCC 14028 (00031)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
Enterococcus faecalis ATCC 29212 (00087)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
Candida albicans ATCC 10231 (00054)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
Candida albicans ATCC 2091 (00055)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-
**Aspergillus brasiliensis ATCC 16404* (00053)*	50 -100	25 -70	50-70%			-
Clostridium perfringenes ATCC 13124 (00007)*	50 -100	35 -100	>=70 %	35 -100	>=70 %	-

Key : * - Corresponding WDCM numbers

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Labelling

- Meets Labelling as per harmonized standards EN980:2008 & ISO 15223-1:2012 for IVD and CE marking of products wherever applicable.

- Labelling as per CLP 1272/2008 for hazardous classification of products

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Typical Label, Hazard

Granulated

Storage :
Hygroscopic: Keep tightly closed away from bright light. On receipt store at 10°C - 30°C

No liability accepted for accidents in handling or use

FOR LABORATORY USE ONLY

For In Vitro Diagnostics IVD

HIMEDIA® REF GM010-500G Net Content 500g

Alternative Thioglycollate Medium, Granulated (Thioglycollate Broth Alternative, Granulated)

Directions:
Suspend 29.0 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Distribute into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Note :
It is preferable to use freshly prepared medium, alternatively it should be boiled and cooled just once prior to use as on reheating, toxic oxygen radicles are formed.

*For More Information Refer Technical Data

Use
For sterility testing of turbid or viscous biological products as per various pharmacopoeia and cultivation of anaerobes from clinical and non-clinical specimens.

Warning
May cause an allergic skin reaction

Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: wash with plenty of soap and water. IF SKIN irritation or rash occurs: Get medical advice/attention.

**Standard Formula

Ingredients	Gms/litre
Tryptone	15.00
Yeast extract	5.00
Dextrose (Glucose)	5.50
Sodium chloride	2.50
L-Cystine	0.50
Sodium thioglycollate	0.50
Final pH (at 25°C)	7.1±0.2

**Formula adjusted, standardized to suit performance parameters

COUNTRY OF ORIGIN-INDIA
Company certified for ISO 9001:2008, ISO 13485-2003, WHO GMP
CE

MAR-2019 LOT 0000226786

HiMedia Laboratories Pvt. Ltd.
Reg.off. : 23, Vadhani Ind. Est., LBS Marg, Mumbai-400086, India.
Works : B/4-6, M.I.D.C., Dindori, Nashik, India.
Customer Care No.: 00-91-22-6116 9797
Email: techhelp@himedialabs.com

8 902729 919330

Expected performance during specified expiry period when material is duly maintained in the original powder form.

Received _____ Opened _____

Disposal : User must ensure safe disposal by autoclaving and/or by incineration used or unusable preparations of this product and derivatives thereof on completion of work to avoid contagion.

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Typical Label, NonHazard

Granulated

HIMEDIA® REF GMH290-500G Net Content 500g

Equivalent to MU290/ME290/MM290/M290B

Soybean-Casein Digest Agar (Casein Soyabean Digest Agar), Granulated

Storage :

Hygroscopic; Keep tightly closed away from bright light. On receipt store at 10°C - 30°C

No liability accepted for accidents in handling or use

FOR LABORATORY USE ONLY

Directions:

Suspend 40.0 grams in 1000 ml purified/ distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes or as per validated cycle. Cool to 45-50°C. Mix well and pour into sterile Petri plates.

*For More Information Refer Technical Data

Use

Recommended as a general purpose medium for cultivation of a wide variety of microorganisms from pharmaceutical products in accordance with the harmonized method of USP/EP/BP/JP/IP (Medium 2).

**Standard Formula

Ingredients	Gms/litre
Tryptone $	15.00
Soya peptone^	5.00
Sodium chloride	5.00
Agar	15.00

*pH after sterilization 7.3±0.2

*pH can also be measured after sterilization at 25°C

**Formula adjusted, standardized to suit performance parameters

$ Pancreatic digest of casein

^Papaic digest of soyabean meal

COUNTRY OF ORIGIN-INDIA

Company certified for ISO 9001:2008, ISO 13485-2003, WHO GMP

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Customer Care No.: 00-91-22-6116 9797
Email: techhelp@himedialabs.com

FEB-2022 LOT 0000292057

8 902729 914632

Expected performance during specified expiry period when material is duly maintained in the original powder form.

Received _____ Opened _____

Disposal : User must ensure safe disposal by autoclaving and/or by incineration used or unusable preparations of this product and derivatives thereof on completion of work to avoid contagion.

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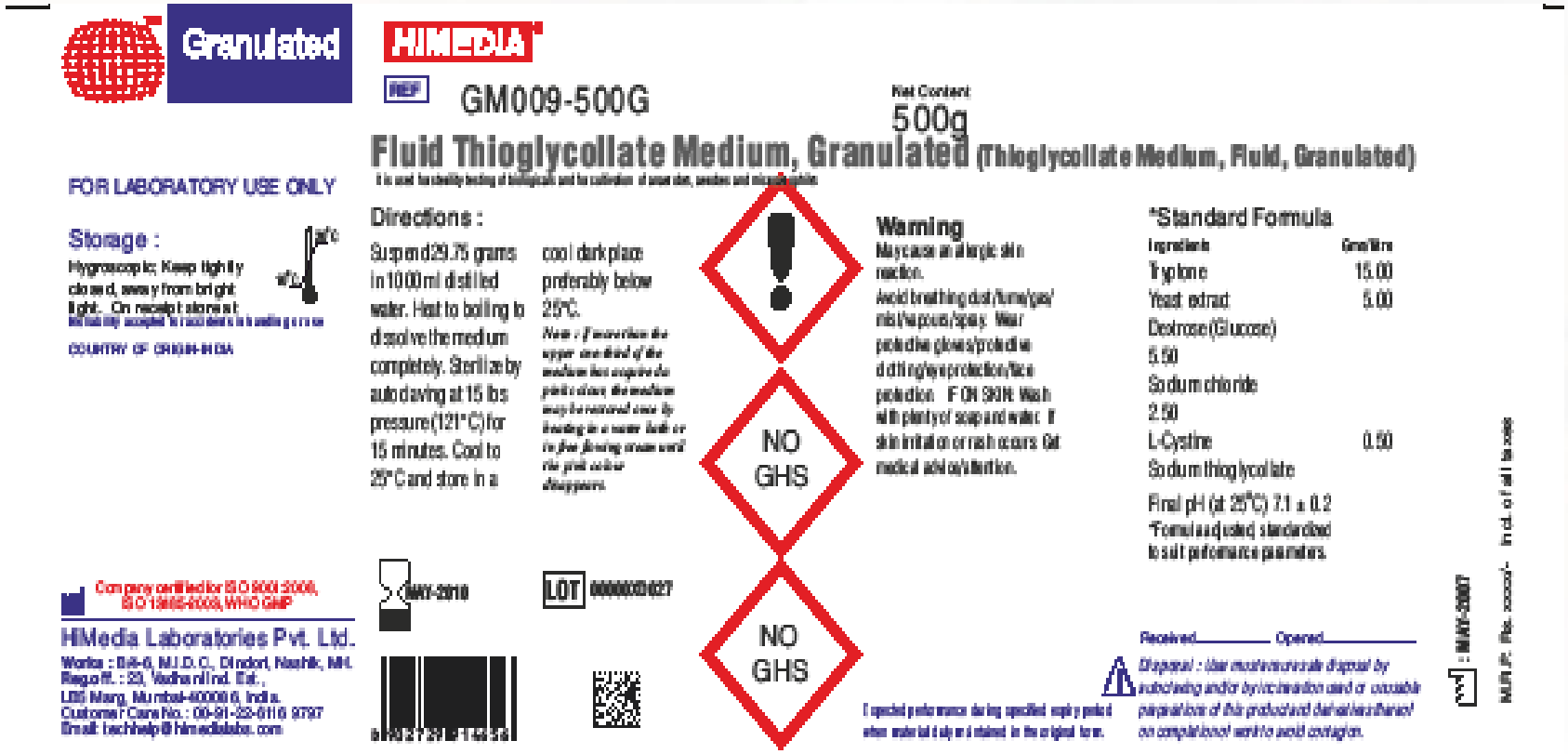
Old Label, Hazard



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Safety data sheet

HIMEDIA

www.himedialabs.com
Safety data sheet(SDS)
According to Regulation (EC) No.1907/2006
Revision : 00001
Date of Revision : 09.01.2017

1 Identification of the substances/ mixture and of the company/ undertaking

1.1 Product Identifiers

Product Number	GM024
Product Name	Cetrimide Agar Base,Granulated
REACH Registration Number	This product is a mixture. Reach registration number is not available for this mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses: Laboratory Chemicals, Analytical Purpose, Biochemical Analysis
For InVitro Diagnostic Use

1.3 Details of the supplier of the safety data sheet

Produced by	HiMedia Laboratories Private Limited	
Address	23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India	
Tel. No.	+91-22-2500 0970, +91-22-2500 1607	Fax No. : +91-22-25002468
Mail Id	info@himedialabs.com	Website : www.himedialabs.com

1.4 Emergency Tel. No.

Emergency Tel. No.	Please contact the regional HiMedia representation in your country

Safety data sheet

Component		Classification	Concentration
Cetrimide			
CAS No. : EC No. :	57-09-0 200-311-3	**As Per EC Regulation 1272/2008** Acute Tox.oral 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; Aquatic Chronic 1 H302; H315; H319; H335; H410	>=0.1 - <=1.0%

Refer Section 16 for complete statement of H codes & classification.

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4 First Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash with plenty of soap and water. Consult a physician.

In case of eye contact

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of immediate medical attention and special treatment needed

No data available

Safety data sheet

2 Hazards Identification

2.1 Classification of the substance or mixture

CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]

Hazardous to the aquatic environment, long term hazard, (Category 1), H410

2.2 Label elements

Labeling according to Regulation (EC) No.1272/2008

Pictogram

Signal word Warning

Hazard Statement(s)

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement(s)

P273 Avoid release to the environment.

2.3 Other Hazards

None

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3 Composition/Information On Ingredients

3.2 Mixture

Safety data sheet

5 Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Sulphur oxides,Hydrogen chloride gas,Potassium oxides, Magnesium oxide

5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information

No data available

---

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures


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Advanced Search
Products
Browse our product range
Applications in Microbiology
Products by industry
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Company Information
Careers
Work with us
Support
Customer Help
Contact Us
Get in touch
PROUDLY SERVING THE SCIENTIFIC COMMUNITY OVER 36 YEARS
State-of-the-art products in microbiology, cell culture, plant tissue culture and molecular biology
PRODUCT FOCUS
Ezy MIC™ STRIPS
Antimicrobial Susceptibility Testing
HiMedia introduces a range of Ezy MIC™ Strips
For determining Minimum Inhibitory Concentration
(MIC) of an appropriate antimicrobial agent.
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THANK YOU

Any Questions Please ???
Or write to
hdmexpo@himedialabs.com
for further querries

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