

## **CM 22,713 - SOYABEAN CASEIN DIGEST MEDIUM (USP/EP/BP/JP/IP)**

### **INTENDED USE**

Sterility test media prepared in accordance with harmonized method.

### **PRODUCT SUMMARY AND EXPLANATION**

SOYABEAN CASEIN DIGEST MEDIUM (as per USP/EP/JP/BP) for cultivation of microorganism, sterility testing of molds and bacteria. This medium is used for the sensitivity testing of antimicrobial agents by the tube dilution method. It is also employed in diagnostic research in microbiology. This medium is used as a diluent and suspending medium for preparation of samples or test strains. It is also employed in sample preparation for testing of products, wherein incubation is carried out, only to serve sufficient resuscitation of the cell, while avoiding multiplication of the organism. This medium is recommended for sterility checking and for studying total aerobic microbial count in verification of microbiological testing procedures employed for sterility checking.

### **COMPOSITION**

<b>Ingredients</b>	<b>Gms / Ltr</b>
<b>Pancreatic digest of casein</b>	17.000
<b>Sodium chloride</b>	5.000
<b>Papaic digest of soyabean meal</b>	3.000
<b>Dextrose</b>	2.500
<b>Dipotassium hydrogen phosphate</b>	2.500

### **PRINCIPLE**

The combination of pancreatic digest of casein and papaic digest of soybean meal makes this medium nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Natural sugars in soybean promote growth of fastidious organism. Dextrose is the fermentable source of carbon and dipotassium hydrogen phosphate serves as the buffer in the medium. Sodium chloride maintains the osmotic balance of the medium.

### **INSTRUCTION FOR USE**

Inoculate the sample and incubate at specified temperature and time.

### **QUALITY CONTROL SPECIFICATIONS**

<b>Appearance of prepared medium</b>	:	Light yellow coloured clear solution
<b>Quantity of Medium</b>	:	9 ml and 10 ml of medium in tubes.
<b>pH (at 25°C)</b>	:	7.3 ± 0.2
<b>Sterility Check</b>	:	Passes release criteria

### **INTERPRETATION**

Culture characteristics observed incubation period

<b>Microorganism</b>	<b>ATCC</b>	<b>Inoculum (CFU/ml)</b>	<b>Growth</b>	<b>Incubation Temperature</b>	<b>Incubation Period</b>
<b>Growth promotion</b>					
<i>Staphylococcus aureus</i>	6538	50-100	Luxuriant	30-35°C	18-24 Hours



<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	30-35°C	18-24 Hours
<i>Escherichia coli</i>	8739	50-100	Luxuriant	30-35°C	18-24 Hours
<i>Escherichia coli</i>	25922	50-100	Luxuriant	30-35°C	18-24 Hours
<i>Pseudomonas aeruginosa</i>	9027	50-100	Luxuriant	30-35°C	18-24 Hours
<i>Pseudomonas aeruginosa</i>	27853	50-100	Luxuriant	30-35°C	18-24 Hours
<i>Bacillus subtilis Salmonella</i>	6633	50-100	Luxuriant	30-35°C	18-24 Hours
<i>typhimurium Micrococcus</i>	14028	50-100	Luxuriant	30-35°C	18-24 Hours
<i>luteus Streptococcus</i>	9341	50-100	Luxuriant	30-25°C	18-24 Hours
<i>pneumoniae</i>	6305	50-100	Luxuriant	30-35°C	18-24 Hours
<i>Candida albicans</i>					
<i>Candida albicans</i>	10231	50-100	Luxuriant	30-35°C	<=5 Days
# <i>Aspergillus brasiliensis</i>	2091	50-100	Luxuriant	30-35°C	<=5 Days
	16404	50-100	Luxuriant	30-35°C	<=5 Days
<b>Sterility Testing (Growth promotion+ Validation)</b>					
<i>Staphylococcus aureus</i>	6538	50-100	Luxuriant	20-25°C	<=3 Days
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	20-25°C	<=3 Days
<i>Escherichia coli</i>	8739	50-100	Luxuriant	20-25°C	<=3 Days
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<i>Pseudomonas aeruginosa</i>	27853	50-100	Luxuriant	20-25°C	<=3 Days
<i>Bacillus subtilis</i>	6633	50-100	Luxuriant	20-25°C	<=3 Days
<i>Salmonella typhimurium</i>	14028	50-100	Luxuriant	20-25°C	<=3 Days
<i>Streptococcus pneumoniae</i>	6305	50-100	Luxuriant	20-25°C	<=3 Days
<i>Micrococcus luteus</i>	9341	50-100	Luxuriant	20-25°C	<=3 Days
<i>Candida albicans</i>	10231	50-100	Luxuriant	20-25°C	<=5 Days
<i>Candida albicans</i>	2091	50-100	Luxuriant	20-25°C	<=5 Days
# <i>Aspergillus brasiliensis</i>	16404	50-100	Luxuriant	20-25°C	<=5 Days

#Formerly Known as *Aspergillus niger*

#### PACKAGING:

Pack of 25 Ready-To-Use Liquid Medium tubes containing 9 ml and 10 ml in each tube.

Pack of 50 Ready-To-Use Liquid Medium tubes containing 9 ml and 10 ml in each tube.

#### STORAGE

Onreceipt, store tubes in the dark at 10-25 °C. Avoid freezing and overheating. Do not open until ready to use. Minimize exposure to light. Tubed media stored as labeled until just prior to use may be inoculated up to the expiration date and incubated for the recommended incubation times. Allow the medium to warm to room temperature before inoculation.

#### DISPOSAL

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

#### REFERENCES

1. The United States Pharmacopoeia, 2011, The United States Pharmacopoeial Convention. Rockville, MD.
2. British Pharmacopoeia, 2011, The Stationery office British Pharmacopoeia.



3. European Pharmacopoeia, 2011, European Dept. for the quality of Medicines.
4. Japanese Pharmacopoeia, 2008.
5. Indian Pharmacopoeia, 2007, Govt. of India, the controller of Publication, Delhi, India



Quantity



Lot / Batch Number



Temperature Unit



Manufacturer



Best Before



Certification of  
Good Manufacturing Practices



Catalogue No.



Authorized Representative



MedNet GmbH  
Birkensee 18,  
48153 Münster, Germany



European Conformity



Consults Instructions for use :



QR  
Code



For In Vitro Diagnostic Use

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

**\*ForLabUse Only**

