



Dehydrated Culture Media  
Bases / Media Supplements

## Technical Information

### Soya Peptone, Certified

#### Product Code: BC2007

**Application:** - It is recommended in media that are required to support a short lag phase and smaller generation time to allow rapid luxuriant growth.

#### Principle & Interpretation

Soya Peptone, Certified is the soluble end product of enzymic digestion of soyabean meal by Papain. Because of stimulatory properties associated with soya peptone it is ideally recommended as a growth stimulant for cultivation of fastidious microorganisms.

#### Quality Control

##### Appearance

Brownish yellow Homogenous Free flowing powder ,having Characteristic odour but not putrescent

##### Solubility

Freely soluble in distilled/purified water, insoluble in chloroform.

##### Clarity

1% w/v aqueous solution remains clear without haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.

##### Reaction

Reaction of 2% w/v aqueous solution at 25°C.

##### pH

5.90- 6.90

##### Microbial Load:

##### Total aerobic microbial count (cfu/gm)

By plate method when incubated at 30-35°C for not less than 3 days.

Bacterial Count : <= 2000 CFU/gram

##### Total Yeast and mould count (cfu/gm)

By plate method when incubated at 20-25°C for not less than 5 days.

Yeast & mould Count : <= 100 CFU/gram

##### Test for Pathogens

1. E.coli-Negative in 10 gms of sample  
2. Salmonella species-Negative in 10 gms of sample  
3. Pseudomonas aeruginosa- Negative in 10 gms of sample  
4. Staphylococcus aureus- Negative in 10 gms of sample  
5. C.albicans- Negative in 10 gms of sample  
6. Clostridia-Negative in 10 gms of sample

##### Indole Test

Tryptophan content: Passes

##### Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing Soyabean Casein Digest Medium(DM1011) using Soya Peptone, Certified as an ingredient.





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Organism	Growth
<b>Cultural response</b>	
<i>Bacteroides vulgatus</i> ATCC 8482 (under anaerobic conditions)	Luxuriant
<i>Pseudomonas aeruginosa</i> ATCC 27853	Luxuriant
<i>Staphylococcus aureus</i> ATCC 25923	Luxuriant
<i>Streptococcus pyogenes</i> ATCC 19615	Luxuriant
<i>Aspergillus brasiliensis</i> ATCC 16404(at 25-30°C)	Luxuriant
<i>Candida albicans</i> ATCC10231(at 25-30°C)	Luxuriant
<i>Bacillus subtilis</i> ATCC 6633	Luxuriant
<i>Enterococcus faecalis</i> ATCC29212	Luxuriant
<i>Neisseria meningitides</i> ATCC13090	Luxuriant
<i>Proteus vulgaris</i> ATCC13315	Luxuriant
<i>Salmonella Typhi</i> ATCC6539	Luxuriant
<i>Shigella flexneri</i> ATCC12022	Luxuriant
<i>Saccharomyces cerevisiae</i> ATCC 9763(at 25-30°C)	Luxuriant

#### Chemical Analysis

Total Nitrogen	>= 9.0%
Amino nitrogen	>= 1.80%
Sodium choride	<= 5.0%
Loss on drying	<= 5.0%
Residue on ignition	<= 22%

## Storage and Shelf Life

**Dried Media:** Store below 30°C. Use before expiry date on the label.

### Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conform solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at CDH is true and accurate
- Central Drug House Pvt. Ltd. reserves the right to make changes to specifications and information related to the products at any time.
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