

## Soya peptone (enzymatic digest of soybean meal) Code 84616.0500

### Also known as

Soy peptone, pancreatic digest of soybean meal

### Intended use

Enzymatic digest of soybean meal, used for the preparation of microbiological culture media.

### Principle of the method and general information

Soya peptone is obtained by the enzymatic digestion of soybean meal. It is soluble in water and is a plant source of organic nitrogen, high concentrations of vitamins and carbohydrates for microbiological use, including the manufacture of antibiotics and fermentation products, as well as the preparation of culture media for analytical microbiology.

The product is conform with European Regulations EC 1829/2003 and 1830/2003 regarding GMO.

### Instruction for use

For laboratory use only.

The experimental procedure depends on the purpose for which Soya peptone is used.

### Quality Control

#### Physical characteristics:

Appearance of powder	Beige, fine, homogeneous hygroscopic powder
Appearance of 2% solution	Dark yellow, limpid
Solubility in water	Complete
pH 5% solution (25°C)	6.6 - 7.6
Loss on drying	≤ 11%
Total nitrogen (TN)	8.8 - 10.1 %
α-amino nitrogen (AN)	3.0 - 3.8 %
AN/AT X 100	30 - 43
Sulphated ashes	≤ 18%
Total aerobic microbial count	≤ 10.000 CFU/ g
<i>Staphylococcus aureus</i>	Absent / 10 g
<i>Salmonella</i>	Absent / 25 g
<i>Escherichia coli</i>	Absent / 10 g
Coliforms	≤ 10 UFC/g
Yeasts and moulds	≤ 20 UFC/g

#### Microbiological characteristics:

Test Strains	Incubation T° / t / At.	Inoculation method	Growth characteristics
<b>Soya peptone broth</b>			
<i>S. aureus</i> ATCC 25923	35-37 °C / 24 h / AE	DE	Good growth
<i>S. epidermidis</i> ATCC 12228	35-37 °C / 24 h / AE	DE	Good growth
<i>S. pyogenes</i> ATCC 19615	35-37 °C / 24 h / AE	DE	Good growth
<i>S. flexneri</i> ATCC 12022	35-37 °C / 24 h / AE	DE	Good growth
<b>Soya peptone agar</b>			
<i>S. epidermidis</i> ATCC 12228	35-37 °C / 24 h / AE	EC	Good growth
<i>S. faecium</i> ATCC 19434	35-37 °C / 24 h / AE	EC	Good growth
<i>S. pneumoniae</i> ATCC 6303	35-37 °C / 24 h / AE	EC	Good growth
<i>C. albicans</i> ATCC 18804	35-37 °C / 24 h / AE	EC	Good growth

#### Notes

Incubation atmosphere AE: aerobic incubation

Inoculation method DE: dilution to extinction method; EC: semi-quantitative, ecometric technique

ATCC is a registered trade mark of American Type Culture Collection

### Storage conditions

Keep tightly closed, away from bright light, in a cool dry place (+10°C to 30 °C and <60% RH).

### Ordering information

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Bottle of 500 g