

# Granulated Culture Media and Basic Reagents

Selection from our catalogue.



## Advantages of Granulated Media:

- High purity
- Dust minimized
- Very highly soluble
- Without additives

# Granulated Culture Media



## Nutrient Media for Molecular Biology

Storage temp.: +15 to +25 °C

### LB Broth (Luria/Miller), granulated

#### granulated, for molecular biology

Standard formulation used for propagation and culturing of *E. coli*. Due to the high salt content particularly suited for bacterial proliferation prior to plasmid preparation. Granulated, dust-minimized version with high solubility and superior homogeneity.

Application: Use 25 g for 1 l broth.

Order No.	Pack Qty.	Pack.
6673.1	500 g	plastic
6673.2	1 kg	plastic
6673.3	2,5 kg	plastic
6673.4	5 kg <b>BIG PACK</b>	plastic

### LB Broth (Lennox), granulated

#### granulated, for molecular biology

Standard formulation used for propagation and culturing of *E. coli*. Low salt content for high-copy plasmid proliferation and preparation, as well as for phage propagation under supplementation with magnesium chloride. Granulated, dust-minimized version with high solubility and superior homogeneity.

Application: Use 20 g for 1 l broth.

Order No.	Pack Qty.	Pack.
6669.1	500 g	plastic
6669.2	1 kg	plastic
6669.3	2,5 kg	plastic
6669.4	5 kg <b>BIG PACK</b>	plastic

### LB Agar (Luria/Miller), granulated

#### granulated, for molecular biology

Granulated, dust-minimized version of the Luria-Bertani Agar formulated acc. to Luria and Miller; With high solubility and superior homogeneity.

Application: Use 40 g for 1 l agar.

Order No.	Pack Qty.	Pack.
6675.1	500 g	plastic
6675.2	1 kg	plastic
6675.3	2,5 kg	plastic

### LB-Agar (Lennox), granulated

#### granulated, for molecular biology

Granulated, dust-minimized version of the Luria-Bertani Agar formulated acc. to Lennox; With high solubility and superior homogeneity.

Application: Use 35 g for 1 l agar.

Order No.	Pack Qty.	Pack.
6671.1	500 g	plastic
6671.2	1 kg	plastic
6671.3	2,5 kg	plastic

### 2x YT Broth, granulated

#### granulated, for molecular biology

Nutritious medium for proliferation of *E. coli*, formulated in order to increase replication and yield of filamentous ssDNA bacteriophages (such as the M13 phage).

Granulated, dust-minimized version with high solubility and superior homogeneity.

Application: Use 31 g for 1 l broth.

Order No.	Pack Qty.	Pack.
6676.1	500 g	plastic
6676.2	1 kg	plastic
6676.3	2,5 kg	plastic

### Terrific Broth, granulated **NEW**

#### for molecular biology

Granulated, dust-minimized version with high solubility and superior homogeneity. Terrific Broth is a nutritious medium for the culture and proliferation of *E. coli*. Compared to LB medium Terrific Broth supports higher cellular density, therefore increasing the yield during plasmid and protein preparations.

Application: Use 50,8 g for 1 l broth. Before autoclaving add 4 ml glycerol per litre medium.

Order No.	Pack Qty.	Pack.
3556.1	500 g	plastic
3556.2	1 kg	plastic
3556.3	2,5 kg	plastic

# Nutrient Media for Microbiology

## CASO Agar, granulated

### granulated, Ph.Eur., for microbiology

For isolation and cultivation of non-fastidious organisms. Agar medium B (Ph.Eur. 6.0), Agar medium with Casein- and Soy Peptone (Ph.Eur. 6.3, 7.0, 8.0 and 9.0), Soy Pepton Agar, TSB Agar, Trypticasein Soy Agar.  
Application: Use 40 g for 1 l agar.

Order No.	Pack Qty.	Verp.
1506.1	500 g	plastic

## CASO Broth, granulated

### granulated, Ph.Eur., for microbiology

For cultivation of fastidious and non-fastidious microorganisms. Broth medium A (Ph.Eur. 6.0), Casein Soya Bean Digest Broth (Ph.Eur. 6.3, 7.0, 8.0 and 9.0), Soy Peptone Broth, TSB Broth, Tryptic Soy Broth.  
Application: Use 30 g for 1 l broth.

Order No.	Pack Qty.	Pack.
6678.1	500 g	plastic
6678.2	1 kg	plastic

## Peptone water, buffered, granulated

### granulated, EN ISO 6887, EN ISO 6579, ISO 22964, EN ISO 19250, for microbiology

Diluent for homogenisation of food samples and for sample preparation for microbiological analysis.  
Application: Use 20 g for 1 l broth.

Order No.	Pack Qty.	Pack.
6680.1	500 g	plastic
6680.2	1 kg	plastic

## Plate Count Agar, granulated

### granulated, for microbiology

For enumeration of the aerobic microbial flora in milk, foods and other material. **PCA**.  
Application: Use 23,5 g for 1 l agar.

Order No.	Pack Qty.	Pack.
1521.1	500 g	plastic

## Violet Red Bile Agar with Glucose, granulated

### granulated, Ph.Eur., for microbiology

For cultivation and enumeration of enterobacteria in water, foods and other materials. **VRBD agar**. Recommended by the Harmonized Method (Ph.Eur. 6.0, 2.6.13.B) for growth and identification of *Escherichia coli* and *Pseudomonas aeruginosa* durin testing for bile-tolerant gram-negative bacteria.  
Application: Use 38,53 g for 1 l agar.

Order No.	Pack Qty.	Pack.
1525.1	500 g	plastic

## Yeast Glucose Agar (with chloroamphenicol), granulated

### granulated, for microbiology

Selective medium for enumeration of yeasts and mould in milk and dairy products. **YGC agar**.  
Application: Use 40,1 g for 1 l agar.

Order No.	Pack Qty.	Pack.
1526.1	500 g	plastic

## Columbia Agar (Base), granulated

### granulated, Ph.Eur., for microbiology

For cultivation of fastidious and non-fastidious microorganisms, also for Mycoplasmas. Medium Q (Ph.Eur. 6.0), Columbia Agar (Ph.Eur. 6.3, 7.0, 8.0 and 9.0), Columbia Blood Agar (Base).  
Application: Use 44 g for 1 l agar. If required, add 50-110 ml defibr. blood.

Order No.	Pack Qty.	Pack.
1507.1	500 g	plastic

## R2A-Agar, granulated

### granulated, Ph.Eur., for microbiology

For enumeration of heterotrophic bacteria from water samples. Nutritionally reduced medium. Incubation of water samples on R2A Agar often leads to higher colony numbers of micro organisms than found for rich media, particularly when incubation is performed at lower temperatures.  
Application: Use 18,1 g for 1 l agar.

Order No.	Pack Qty.	Pack.
1523.1	500 g	plastic

## Sabouraud 2 % Glucose Broth, granulated

### granulated, Ph.Eur., for microbiology

Selective media for taxonomic analysis of pathogenic fungi. Sabouraud Dextrose Broth (Ph.Eur. 6.3, 7.0, 8.0 and 9.0). Recommended by the Harmonized Method (Ph.Eur. 6.0, 2.6.13.B) for growth of *Candida albicans*. The low amount of glucose supports the activation of the secondary metabolism and, subsequently, pigment formation.  
Application: Use 30 g for 1 l broth.

Order No.	Pack Qty.	Pack.
1508.1	500 g	plastic

## MacConkey Agar, granulated

### granulated, Ph.Eur., for microbiology

For selective isolation and identification of enterobacteria from waste water, foods and other samples. Agar medium H (Ph.Eur. 6.0), MacConkey Agar (Ph.Eur. 6.3, 7.0, 8.0 and 9.0).  
Application: Use 49,53 g for 1 l agar.

Order No.	Pack Qty.	Pack.
1514.1	500 g	plastic

## Orange Serum Agar, granulated

### granulated, for microbiology

For isolation, detection and enumeration of acid-tolerant pathogens in fruit juices and fruit juice concentrates, particularly citrus products.

⚠️ ⚠️ **Warning** H315-H317-H411-EUH208

Application: Use 45,5 g for 1 l agar.

Order No.	Pack Qty.	Pack.
1520.1	500 g	plastic



# Nutrient Media for Microbiology

## Standard Nutrient Broth I, granulated

### granulated, for microbiology

For cultivation and enumeration of fastidious bacteria.

Also base for preparing special culture media.

Application: Use 25 g for 1 l broth.

Order No.	Pack Qty.	Pack.
1533.1	500 g	plastic

## Standard Nutrient Agar I, granulated

### granulated, for microbiology

For cultivation and enumeration of fastidious bacteria.

Also base for preparing special culture agars.

Application: Use 37 g for 1 l agar.

Order No.	Pack Qty.	Pack.
1524.1	500 g	plastic

## Basic Reagents

High-quality compounds are vital for rapid growth and efficient selection of microorganisms. Peptones in particular are an easily accessible source of carbohydrates as well as nitrogen and amino acids. Yeast extracts additionally are very rich in vitamins, growth factors, and nucleic acids.

Storage temp.: +15 to +25 °C

## Tryptone/Peptone ex casein, granulated

### granulated, pancreatic digest, for microbiology

Similar to NZamine.

Granulated, dust-minimized casein peptone made by pancreatic digestion.

Rich in short-chained peptides and amino acids, including tryptophane.

Essential ingredient of many nutrient media like, for instance, LB, 2YT and others.

Order No.	Pack Qty.	Pack.
6681.1	250 g	plastic
6681.2	500 g	plastic
6681.3	1 kg	plastic
6681.4	2,5 kg	plastic
6681.5	5 kg	plastic <b>BIG PACK</b>

## Yeast Extract, micro-granulated

### micro-granulated, for bacteriology

Micro-granulated, water soluble extract of selected autolysed yeast cells.

Easy to handle and dust-reduced.



Fig.: Close-up.

Yeast extract is used as a rich source for vitamins, carbon and amino acids in many microbiological culture media formulations. Rich in B-vitamins and growth factors.

## Agar-Agar, BioScience, granulated

### BioScience-Grade, granulated

Agar of high purity for all culture media used in molecular- and microbiology.

Recommended for plating in genetic engineering (GMOs).

Granulated, dust-minimized Agar-Agar.

Essentially free of impurities that could hinder bacterial growth.

Forming very clear gels.

Particularly recommended for preparation of culture plates used for plating of recombinant bacteria (GMOs) during genetic engineering.

Order No.	Pack Qty.	Pack.
1347.1	250 g	plastic
1347.2	500 g	plastic
1347.3	1 kg	plastic
1347.4	2,5 kg	plastic

Order No.	Pack Qty.	Pack.
2904.1	250 g	plastic
2904.2	500 g	plastic
2904.3	1 kg	plastic
2904.4	2,5 kg	plastic
2904.5	5 kg	plastic <b>BIG PACK</b>

## Contact international

Phone +49 721/5606 510 · Fax +49 721/5606 111 · info@carlroth.com · www.carlroth.com

Carl Roth GmbH + Co. KG · Schoemperlenstr. 3-5 · D-76185 Karlsruhe

Export prices might be higher.

All supplies and deliveries are subject to the terms and conditions of sale and delivery of Carl Roth GmbH + Co. KG, Karlsruhe