

gibco

Starter Paks



Get started with the Gibco advantage in one box

For more than 100 years, leading pharmaceutical companies have trusted our peptones and supplements to help improve cell performance with higher cell titers and yield.

ThermoFisher
SCIENTIFIC

Helping you rethink supplementation

Gibco™ Starter Paks provide samples of our most widely used peptones tailored for specific applications, including monoclonal antibodies, recombinant proteins, and vaccines, for use in both mammalian cell culture and microbial fermentation.

With the 100 g samples conveniently packaged in a box, you can identify the correct supplements for your specific cell lines faster.

Chemically defined, protein-free supplements developed to enhance a variety of base media

The Gibco™ Resurge™ CD Pak

Contains a diverse set of fully chemically defined (CD), animal origin-free and protein-free supplements that complement a variety of base and feed media. Each CD supplement in the pack has a unique chemical profile of nucleosides, amino acids, vitamins, trace elements, and cofactors containing no glucose. Customers have successfully used Gibco™ Resurge™ CD supplements in a number of mammalian and microbial cell lines, including CHO, MDCK, *E. coli*, toxin-producing bacteria, and fungi.

Ultrafiltered peptones ideal for human health applications

Gibco™ Starter Pak No. 1*

Features a combination of yeast and soy-based peptones. Three of the products in this pack have been ultrafiltered (UF) to reduce endotoxin levels. The yeast products add a mixture of peptides, amino acids, carbohydrates (simple and complex), nucleosides, and vitamins to any medium formulation.

- **Gibco™ Difco™ TC Yeastolate, UF; Gibco™ Bacto™ TC Yeastolate—**Customers have successfully used these peptones in CHO-based applications of biotherapeutic monoclonal antibodies and recombinant proteins.
- **Gibco™ Difco™ Yeast Extract, UF; Gibco™ Bacto™ Yeast Extract, Technical—**These peptones support optimal growth of many microbial species for a variety of human and animal health vaccines.
- **Gibco™ Difco™ Phytone™ Supplement, UF—**This enzymatic digest of soy is a nutritious, excellent source of carbohydrates and is used in mammalian cell culture.

* Gibco Starter Paks are non-GMP and for evaluation use only.

Animal origin–free and animal origin peptones best suited for vaccine production

Gibco™ Starter Pak No. 2*

Offers many essential nutrients needed for the production of human and animal vaccines.

- **Gibco™ Bacto™ Yeast Extract**—Customers have used this supplement, which has the highest level of carbohydrates of our yeast products, in a variety of human and animal health vaccines.
- **Gibco™ Phytone™ Peptone; Gibco™ Difco™ Soytone**—Both enzymatic digests of soy, these peptones also are a nutritious source of carbohydrates. Customers have used them in microbial fermentation processes as well as in mammalian cell culture processes such as CHO.
- **Gibco™ Bacto™ Proteose Peptone No. 2; Gibco™ Bacto™ Proteose Peptone No. 3**—These enzymatic digests of porcine protein provide nutrition for fastidious microorganisms. Bacto Proteose Peptone No. 3 can replace serum in many applications and helps increase monoclonal antibody and recombinant protein production in CHO cells.
- **Gibco™ Bacto™ Casamino Acids**—This supplement has low salt and iron content, making it an excellent supplement for media formulations for which nitrogen requirements are minimal.

Animal origin–free peptones for animal and human vaccine production

Gibco™ Starter Pak No. 3*

Provides a variety of yeast and soy products, ideal for processes when an animal origin–free medium is preferred.

- **Gibco™ Bacto™ Yeast Extract; Gibco™ Yeast Extract**—These peptones contain a mixture of peptides, amino acids, carbohydrates, and vitamins to support optimal growth in microbial species, and are ideal for the production of vaccines.
- **Gibco™ Bacto™ TC Yeastolate**—Customers have successfully used this peptone in CHO-based applications of biotherapeutic monoclonal antibodies and recombinant proteins.
- **Gibco™ Phytone™ Peptone; Gibco™ Difco™ Soytone**—These soy-based supplements provide a nutritious source of carbohydrates for successful use in microbial fermentation processes.
- **Gibco™ Bacto™ Malt Extract**—A water-soluble portion of malted barley, this peptone also provides carbohydrates for a variety of microbial fermentation processes.

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Ordering information

Product	Cat. No.
Resurge CD Pak	
Resurge CD1	670030
Resurge CD2	
Resurge CD3	
Resurge CD4	
Resurge CD5	
Starter Pak No. 1	
Difco Yeast Extract, UF	215366
Bacto TC Yeastolate	
Difco TC Yeastolate, UF	
Difco Phytone Supplement, UF	
Bacto Yeast Extract, Technical	

Product	Cat. No.	
Starter Pak No. 2		
Bacto Yeast Extract	215367	
Difco Soytone		
Phytone Peptone		
Bacto Proteose Peptone No. 2		
Bacto Proteose Peptone No. 3		
Bacto Casamino Acids	215368	
Starter Pak No. 3		
Bacto Malt Extract		
Bacto Yeast Extract		
Yeast Extract		
Bacto TC Yeastolate		
Phytone Peptone		
Difco Soytone		

Get more information or order a Starter Pak at thermofisher.com/advbio

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