

FACTSHEET DEFINED SERUM REPLACEMENTS



BIOSOLUTIONS BY **PAN**TM / MEDIA / REAGENTS / BUFFER



PANEXIN

SERUM SUBSTITUTES



The demand for serum-free media and serum substitutes is growing rapidly as researchers and industries seek for more reliable and controlled alternatives. Traditional serum, being of animal origin, contains a complex mix of proteins and metabolites in varying concentrations, making it poorly defined.

This batch-to-batch variability can lead to significant reproducibility issues and contamination risks, which are, besides substantial ethical concerns, critical issues for both research and industrial applications.

In response to these challenges, PAN-Biotech has pioneered the development of cutting-edge serum-free cell culture media and serum substitutes, offering more consistency and reliability in scientific and industrial processes.

- ✓ High batch-to-batch consistency: reproducible results and minimal variability
- ✓ Ready-to-use: no need for time-consuming serum screening
- ✓ Supports responsible science: free from ethical concerns associated with animal-derived serum
- ✓ Reduced contamination risks
- ✓ Cost-efficient alternative
- ✓ Regulatory compliance: meets pharmaceutical and established industry standards
- ✓ GMP-compliant

PANEXIN

PANEXIN PRODUCTS OVERVIEW



CHOOSING THE RIGHT PANEXIN – PRODUCT COMPARISON

Panexin CD

Chemically defined serum replacement for adherent and non-adherent cells



Product No.:
P04-93050
P04-93100
P04-930500



→ [DIRECT LINK](#)

- **chemically defined**
- **ready-to-use**
- **0 % animal-derived components**
- **Customized formulations on request**
- **GMP-compliant formulations on request**

Panexin NTA

Defined serum replacement for adherent cells



Product No.:
P04-95070
P04-95700
P04-95750



→ [DIRECT LINK](#)

- **optimized for adherent cells**
- **< 2 % animal-derived components**
- **ready-to-use**
- **Customized formulations on request**

Panexin basic

Defined serum replacement for adherent and non-adherent cells



Product No.:
P04-96090
P04-96900
P04-96950



→ [DIRECT LINK](#)

- **versatile and affordable**
- **< 1 % animal-derived components**
- **ready-to-use**
- **Customized formulations on request**

KEY FEATURES

VERSATILITY:

Panexin CD is a chemically defined serum substitute, without animal or human components. It is ideal for cultivating both adherent and suspension cells and has been demonstrated to support the growth of various cell lines, including HeLa, L929, HEK 293, Vero, and lymphocytes.

COMPOSITION:

Panexin CD contains recombinant proteins (< 0.1 % w/v), lipids, salts, amino acids, trace elements, hormones and a 3-dimensional substrate release system in an optimized formulation. It contains no growth factors, undefined hydrolysates or peptones.

KEY FEATURES

VERSATILITY:

Panexin NTA is optimized for the culture of adherent cells and supports the growth of numerous cell lines, including L929, CHO, HAT-29, HEK 293, and MDCK.

COMPOSITION:

Panexin NTA contains purified proteins (< 2 % w/v), lipids, salts, amino acids, trace elements, attachment factors, hormones and traces of animal-derived components (< 2 % w/v). Panexin NTA contains no growth factors, undefined hydrolysates or peptones.

KEY FEATURES

VERSATILITY:

Panexin basic is a cost-effective and versatile serum substitute. It is well-suited for cultivating both adherent and suspension cells, including: HEK 293, MDCK, MCF-7, U-739, MDBK.

COMPOSITION:

Panexin basic contains purified proteins (< 1 % w/v), lipids, salts, amino acids, trace elements, hormones and only traces of animal-derived components (< 1 % w/v). It contains no growth factors, undefined hydrolysates or peptones.