

Panexin *basic*

Panexin products are **chemically defined** serum replacements developed by PAN-Biotech. Panexin *basic* can be used for the cultivation of adherent and non-adherent cells under **serum-free** conditions, or to significantly **reduce** the necessary amount of serum. For more demanding cell lines we also designed Panexin NTA (adherent cells) and NTS (suspension cells). For detailed information please refer to datasheet and instructions for use at www.pan-biotech.com.

Do you know?

Serum introduces several severe unknown variables into the cell culture procedure, as serum (a) is a poorly defined supplement (*Bjare, 1992; Gstraunthaler, 2003*); (b) batches show typically qualitative variations and different amount of endotoxins, haemoglobin and other factors (*Price and Gregory, 1982*); (c) can be a potential source of contamination (*Dormont, 1999; Eliot, 1999; Wessman and Levings, 1999*) and (d) does not represent physiological conditions. Therefore, FBS may alter the experimental output or the performance of assays.

PAN-Biotech Serum Replacements

Made in Germany since 1988

Advantages

- **High reproducibility**
- **No extensive batch testing necessary**
- **Simplified downstream process**
- **Low risk of contamination**
- **Design your own defined serum-free or serum-reduced medium!**

Applications

- As serum replacement or medium supplement to increase the productivity in industrial cell cultures (CHO, MDCK, Vero, Hybridoma etc.)
- To avoid the exosomes or stimulatory effects of growth factors in serum
- To prevent the overgrowth of the culture by fibroblasts in coculture or in highly differentiated epithelial primary cultures
- To guarantee the reproducibility and sensitivity in cell-based *in vitro* assays
- To generally reduce the amount of serum due to ethical concerns, lot-to-lot variability or high costs



INTERNATIONAL MEDICAL PRODUCTS

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