

Panexin *basic*

Panexin products are **fully 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