

## Datasheet

# Panserin 293S

### Serum-free Medium for HEK-293 Cells in Suspension

Product	Description	Catalogue-No.	Size
Panserin 293S	Ready-to-use medium for the serum-free cultivation of HEK-293 cells in suspension	P04-710609M P04-710609 P04-71060910	100 ml 500 ml 10 L

#### Product description

**Panserin 293S** is a ready-to-use medium for the serum-free cultivation of HEK293 cells (Human Embryonic Kidney) in suspension culture.

#### Storage conditions

Storage: 2°-8°C  
 Stability: 1 year from date of production  
 Size: 100 ml, 500 ml, 10 L, other sizes on request

#### Composition

Based on DMEM/F12 medium with additional oligopeptides (hydrolysates < 0.02 % w/v), hormones and trace elements to support expression and cell growth. This product contains only traces of protein (< 0.002 % w/v) and animal derived components (< 0.0003 %w/v).

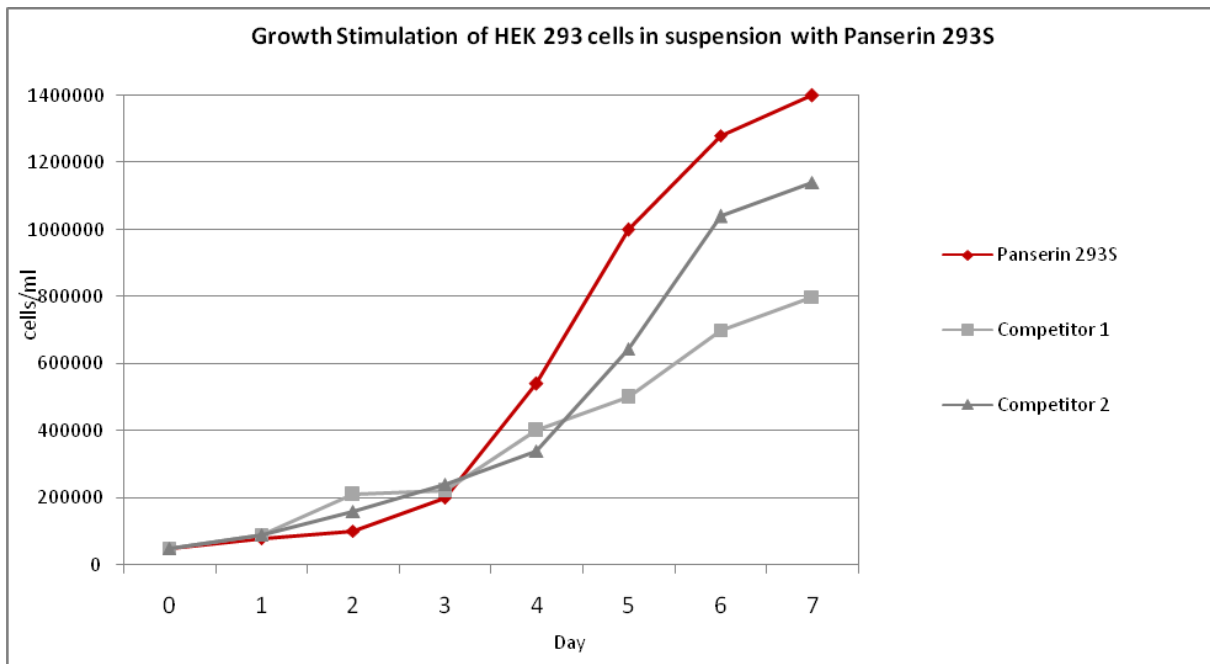
#### Special advantages

Panserin 293S is a particularly enriched medium optimized for the growth of HEK293 cells in suspension culture. Due to its defined composition the purification of final products (recombinant proteins, viruses) from the cell culture is more convenient and economic. This product can also be applied to adapt adherent HEK293 cells into suspension.

#### Instructions for use

A switch from adherent serum containing medium to Panserin 293S is often possible without adaptation. For those clones which do not tolerate a direct switch we recommend a primary culture with serum containing medium and a stepwise reduction of serum towards a serum-free cultivation with Panserin 293S.

- Subculture the cells from serum-supplemented medium to Panserin 293S using standard techniques when cells are in the log phase. Count cells and determine viability to seed in prewarmed Panserin 293S.
- Resuspend the cells in pre-warmed Panserin 293S at a density of  $5 \times 10^5$  cells/ml in suspension culture flasks.
- Allow the cells to adapt to Panserin 293S for an additional 4-6 passages. Cells are fully adapted to Panserin 293S when growth rates return to normal densities and viabilities are above 95%.
- Continue to subculture cells in Panserin 293S at a density of  $2-5 \times 10^5$  cells/ml into shaker or spinner flasks.
- HEK 293 cells in Panserin 293S are usually grown at 37°C and 5% CO<sub>2</sub>.



### Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email ([info@pan-biotech.com](mailto:info@pan-biotech.com)) or phone +49-8543-601630.

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