Datasheet

Panserin PX10

Serum-free Medium for Hybridoma cells

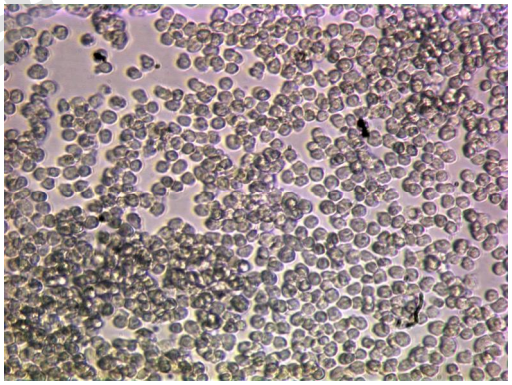
Product	Description	Catalogue No.	Size
Panserin PX10	**Panserin PX10, complete medium for Hybridoma, serum-free, w: L-Glutamine**	**P04-710PX10M** **P04-710PX10**	**100 ml** **500 ml**

Product description
Panserin PX10 is a ready to use serum-free complete medium for the cultivation of myeloma and hybridoma cells for the production of monoclonal antibodies.

Storage conditions
Storage: 2-8°C in the dark
Stability: 1 year from date of production
Size: 100 ml, 500 ml, other sizes on request

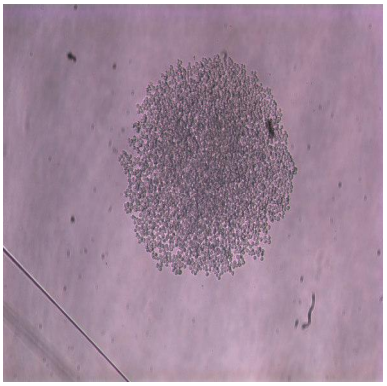
Composition
Based on RPMI1640/DMEM/F-12, trace elements, albumin, cholesterol, and vitamins have been added to the medium. Growth factor supplements provided with the medium have to be added shortly before use.

Special advantages
Panserin PX10 is a ready to use serum-free medium for the production of monoclonal antibodies. Due to its optimized composition Panserin PX10 shows significant growth stimulation even at low seeding densities.
In addition to the excellent growth properties Panserin PX10 shows excellent cloning properties. Conventional serum-free systems often require long and laborious steps and seeding densities of up to 10^5 cells/ml. In contrast, most clones could be directly transferred into Panserin PX10 culture. With Panserin PX10 clones can be built without major difficulties.

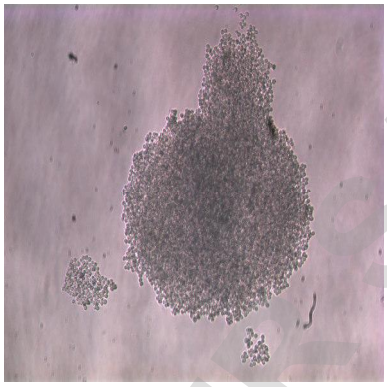


SP2/0-Ag-14 in Panserin PX10

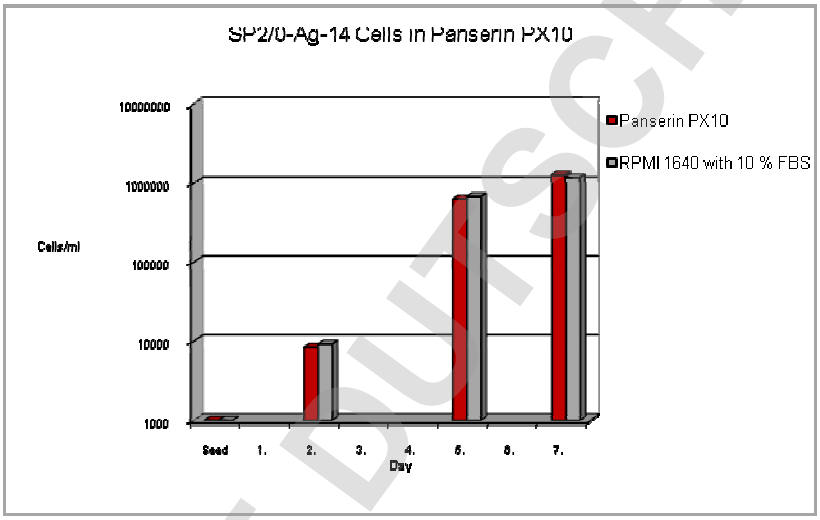
PAN Biotech GmbH – Am Gewerbepark 13 – 94501 Aidenbach – GERMANY
www.pan-biotech.com – phone +49-8543-601630 – fax +49-8543-601649



Cloning of SP2/0-Ag-14 in Panserin PX10

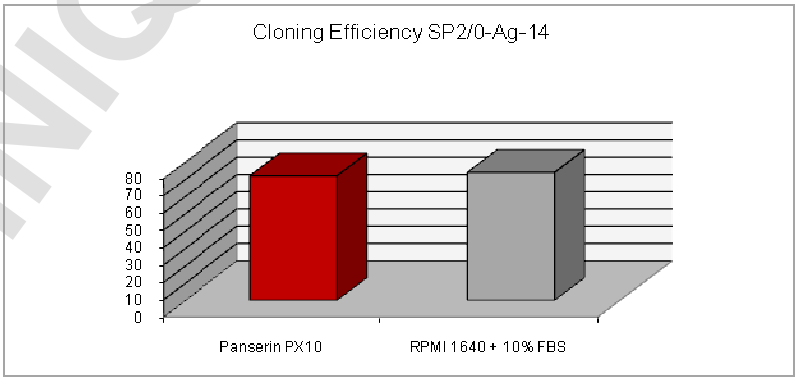


Cloning of SP2/0-Ag-14 in RPMI 1640 with 20 % FBS



Typical Growth Curve of SP2/0-Ag-14 in Panserin PX10.

SP2/0-Ag-14 Cells were transferred from serum containing culture (RPMI 1640 with 10% FCS) directly into Panserin PX10. Seeding density of 1.000 cells/ml. In comparison SP2/0-Ag-14 in RPMI 1640 with 10% FBS



Instruction for use

- Warm up Panserin PX10 to 37°C.
- Transfer hybridoma directly into Panserin PX10. In most cases a cell number of 1000 cells/ml is sufficient.
- Incubate the cells in the usual way in the CO_2-incubator at 37°C (5 % CO_2-fumigation) multiply them in the bioreactor.
- Extract monoclonal antibodies from the supernatant.

In many cases the transfer from serum-containing medium to Panserin PX10 can be done without any special adaption procedures. For those cells which do not tolerate an immediate switch we recommend a primary culture with Panserin PX10 supplemented with serum and than a stepwise reduction of serum towards a pure Panserin PX10 cultivation. Although Panserin PX10 supports the growth of even low cell densities, during the transfer to the serum-free culture the cells should be seeded in higher densities (5×10^3 to 5×10^4 cells/ml). For the successful transfer into a serum-free cultivation the vitality of the cells is an important factor. Thus the cells should be transferred in the logarithmic growth phase. According to our experience the transfer within the stationary growth phase will have lower prospects of success.

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) or phone +49-8543-601630.

FOR RESEARCH USE ONLY! Not approved for human or animal diagnostic or therapeutic procedures.

PAN Biotech GmbH – Am Gewerbepark 13 – 94501 Aidenbach – GERMANY
www.pan-biotech.com – phone +49-8543-601630 – fax +49-8543-601649