



# MEDIA FOR STEM CELL AND IMMUNE CELL CULTURE

## Stem Cell media free of animal-derived components

PAN-Biotech offers a broad range of serum-free media for stem and progenitor cells in the most important fields of research and development. Most of the media are developed free of animal-derived components to meet the demand of clinical applications, especially with the respect to regenerative medicine, toxicology and diagnostics.

Medium	Suitable Cells	SFM	PF	ADCF	HDCF	FD
<b>PowerStem HE</b>	Human embryonic stem cells	•		•		•
<b>PowerStem iPS</b>	Human induced pluripotent stem cells	•		•		•
<b>PowerStem MSC</b>	Human mesenchymal stem cells	•		•		
<b>PowerStem HSPC</b>	Human hematopoietic stem cells	•		•		•
<b>PowerStem PEC</b>	Human angiogenetic stem cells	•				
<i>And more!</i>						

SFM: Serum Free Medium    PF: Protein Free    ADCF: Animal Derived Components Free    HDCF: Human Derived Components Free    FD: Fully Defined

With the immunological cell therapy moving to commercialization the demand of scalable production of immune cells also increased significantly. PAN-Biotech has developed a wide range of serum-free media for the effective *in vitro* expansion of immune cell cultures.

Medium	Suitable Cells	SFM	PF	ADCF	HDCF	FD
<b>Panserin 413</b>	T cells, NKT cells, CIK cells	•				
<b>Panserin 413 Pharma Grade*</b>	T cells, NKT cells, CIK cells	•		•		•
<b>Panserin 416</b>	Dendritic cells	•				
<b>Panserin 416 Pharma Grade*</b>	Dendritic cells	•		•		•
<b>Panserin 701</b>	Lymphocytes	•				•
<b>Panserin 411</b>	Myeloid/lymphoid cells	•				•
<i>And more!</i>						

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\* Coming soon



## OTHER CELL SPECIFIC SERUM-FREE MEDIA AND SERUM SUBSTITUTES

PAN-Biotech also produces many other specific serum-free media for toxicology, tissue engineering, industrial vaccine and antibody productions.

Medium	Suitable Cells	SFM	PF	ADCF	HDCF	FD
<b>Endopan 300SL</b>	Human endothelial cells	•				
<b>Endopan 300SL Pharma Grade*</b>	Human endothelial cells	•		•		
<b>Neuropan</b>	Neuronal cells	•				
<b>Panserin 293S</b>	HEK-293 (suspension)	•		•	•	
<b>Panserin 401</b>	Wide range of different cells	•				•
<b>Panserin 801</b>	Human keratinocytes	•				
<b>Panserin 801 Pharma Grade*</b>	Human keratinocytes	•		•		
<b>Panserin C6000</b>	CHO (suspension)	•	•	•	•	
<b>Panserin H4000</b>	Hybridoma (suspension)	•	•	•	•	
<b>Panserin ProVero</b>	Vero cells (adherent)	•				•
<b>Spodopan</b>	Insect cells (suspension)	•	•	•	•	
<i>And more!</i>						

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### Custom-made media

Didn't find what you are looking for? Media can be custom made to meet your requirements. Contact us for more details.

### Serum Substitutes

The serum substitutes (Panexin) developed by PAN-Biotech can be used for many cell lines to replace FBS. Due to selected and pretested raw materials Panexin batches are very homogenous. Therefore the complex batch testing known from FBS can be omitted with the use of Panexin.

In addition there is no need to change the previously used basal medium. Panexin is completely fully defined and contains no growth factors, undefined peptones or hydrolysates.

Medium	Suitable Cells	SFM	PF	ADCF	HDCF	FD
<b>Panexin basic</b>	Wide range of cells	•				•
<b>Panexin NTS</b>	Wide range of suspension cells	•				•
<b>Panexin NTA</b>	Wide range of adherent cells	•				•
<b>Panexin Pharma</b>	Wide range of cells	•		•		•
<b>Panexin BMM</b>	Mouse bone marrow macrophages	•				

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