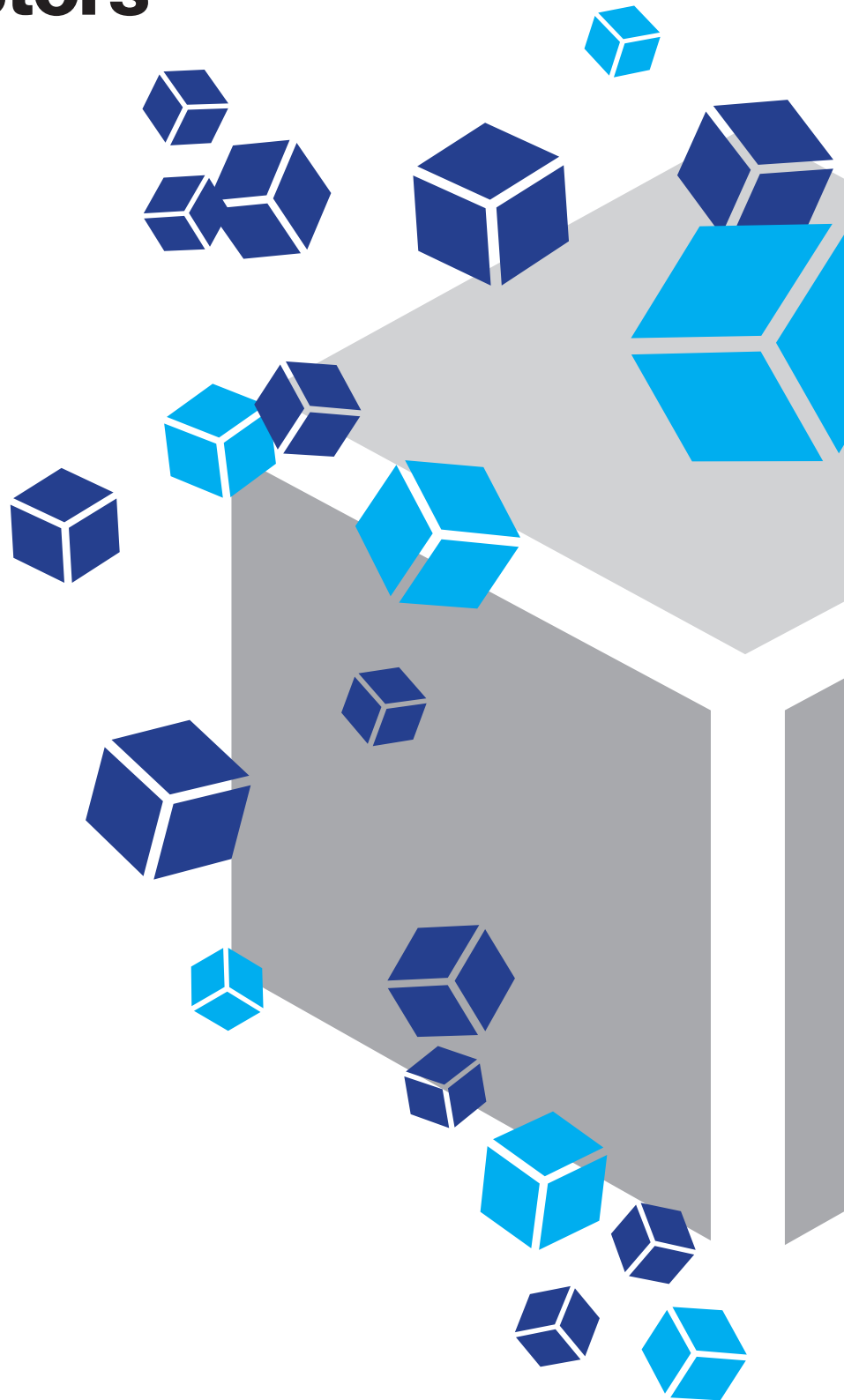


# Sustained Release Growth Factors

Powered by PODS® technology

Beratung und Vertrieb  
in Deutschland:



# Technology

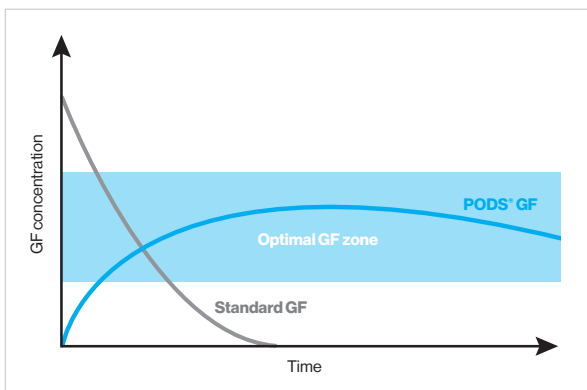
## PODS<sup>®</sup> technology from Cell Guidance Systems encapsulates growth factors in a protein shell, protecting and preserving their function.

Using PODS<sup>®</sup> growth factors ensures you gain:

- **Precision:** accurately dosing your experiment with just as much reagent as needed
- **Reliability:** growth factors released from PODS<sup>®</sup> act as freshly expressed protein would
- **Simplicity:** store at 4°C and use at 37°C, no need to freeze or subaliquot

### Growth Factor Release Profile

Fully functional growth factors are released from PODS<sup>®</sup> crystals and are present in culture for a longer period of time (from 2 to 12 weeks). The release rate can be modified when combining PODS<sup>®</sup> crystals with a scaffold of interest.

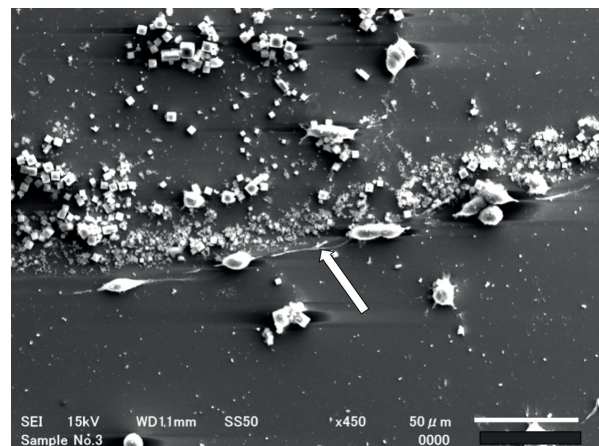
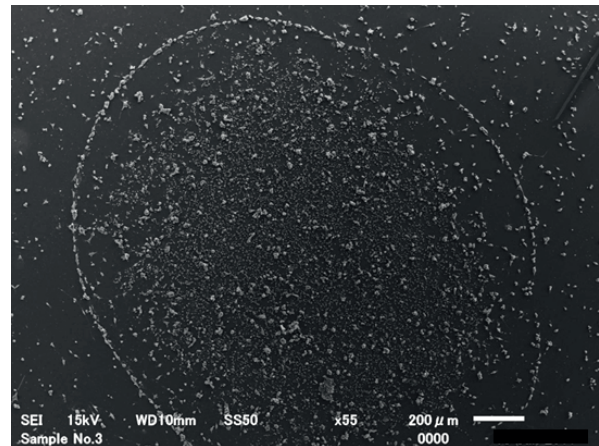


PODS<sup>®</sup> are a high-quality reagent, yet represent great value to the life science researcher.

### PODS<sup>®</sup> Growth Factors can be used to create gradients

Sustained Release Growth Factors are spotted onto a culture dish creating a 2 mm diameter circle. Neuronal precursor cells are plated and incubated for 96 hours. The neuronal cells migrate up the gradient towards the edge of the circle forming a ring.

PODS<sup>®</sup> proteins are available for many popular human and mouse growth factors and can be produced as a custom order for other proteins.



# List of PODS<sup>®</sup> Growth Factors

For an up to date list visit [www.cellgs.com](http://www.cellgs.com)

■ Human ■ Mouse ■ Rat

Cat Code	Product Name	Status
PPH302	PODS <sup>®</sup> Empty	Validated
PPH6	■ PODS <sup>®</sup> Activin A	Validated
PPM29	■ PODS <sup>®</sup> Activin A	Validated
PPR6	■ PODS <sup>®</sup> Activin A	Validated
PPH307	■ PODS <sup>®</sup> Activin B	Unvalidated
PPH1	■ PODS <sup>®</sup> BDNF	Validated
PPH56	■ PODS <sup>®</sup> BMP-4	Unvalidated
PPH308	■ PODS <sup>®</sup> BMP-10	Unvalidated
PPH25	■ PODS <sup>®</sup> CD40 Ligand	Unvalidated
PPH59	■ PODS <sup>®</sup> CNTF	Unvalidated
PPH309	■ PODS <sup>®</sup> DKK-1	Unvalidated
PPH26	■ PODS <sup>®</sup> EGF	Unvalidated
PPH310	■ PODS <sup>®</sup> Ephrin-A1	Unvalidated
PPH311	■ PODS <sup>®</sup> Ephrin-A3	Unvalidated
PPH312	■ PODS <sup>®</sup> Ephrin-A4	Unvalidated
PPH313	■ PODS <sup>®</sup> Ephrin-B2	Unvalidated
PPM301	■ PODS <sup>®</sup> Ephrin-B2	Unvalidated
PPH325	■ PODS <sup>®</sup> EPO	Unvalidated
PPH29	■ PODS <sup>®</sup> FGF-1	Unvalidated
PPH146	■ PODS <sup>®</sup> FGF-2 (154)	Unvalidated
PPH187	■ PODS <sup>®</sup> FGF-7	Unvalidated
PPH183	■ PODS <sup>®</sup> FGF-10	Unvalidated
PPH326	■ PODS <sup>®</sup> FGF-19	Unvalidated
PPH148	■ PODS <sup>®</sup> FGF-21	Unvalidated
PPH41	■ PODS <sup>®</sup> Follistatin	Unvalidated
PPH314	■ PODS <sup>®</sup> Gastrin	Unvalidated
PPH72	■ PODS <sup>®</sup> G-CSF	Unvalidated
PPH2	■ PODS <sup>®</sup> GDNF	Validated
PPH8	■ PODS <sup>®</sup> GM-CSF	Validated
PPH77	■ PODS <sup>®</sup> IFN- $\gamma$	Unvalidated
PPH34	■ PODS <sup>®</sup> IGF-1	Unvalidated
PPH12	■ PODS <sup>®</sup> IL-2	Unvalidated
PPH10	■ PODS <sup>®</sup> IL-6	Unvalidated
PPH83	■ PODS <sup>®</sup> IL-10	Unvalidated
PPH200	■ PODS <sup>®</sup> LIF	Validated
PPH315	■ PODS <sup>®</sup> MANF	Unvalidated
PPH316	■ PODS <sup>®</sup> NGF (Full)	Unvalidated
PPH317	■ PODS <sup>®</sup> NGF (Mature)	Unvalidated

Cat Code	Product Name	Status
PPH318	■ PODS <sup>®</sup> Nodal	Unvalidated
PPH304	■ PODS <sup>®</sup> Noggin	Unvalidated
PPH99	■ PODS <sup>®</sup> NT-3	Unvalidated
PPH33	■ PODS <sup>®</sup> NT-4	Unvalidated
PPH319	■ PODS <sup>®</sup> OPN	Unvalidated
PPH18	■ PODS <sup>®</sup> PDGF-BB	Unvalidated
PPH19	■ PODS <sup>®</sup> RANK Ligand	Unvalidated
PPH320	■ PODS <sup>®</sup> RSPO1	Unvalidated
PPH321	■ PODS <sup>®</sup> RSPO3	Unvalidated
PPH4	■ PODS <sup>®</sup> SCF	Unvalidated
PPH322	■ PODS <sup>®</sup> Semaphorin 3C	Unvalidated
PPH168	■ PODS <sup>®</sup> SHH	Unvalidated
PPH323	■ PODS <sup>®</sup> TGF- $\alpha$	Unvalidated
PPH39	■ PODS <sup>®</sup> TGF- $\beta$ 1	Validated
PPH324	■ PODS <sup>®</sup> TGF- $\beta$ 2	Unvalidated
PPH109	■ PODS <sup>®</sup> TGF- $\beta$ 3	Unvalidated
PPH111	■ PODS <sup>®</sup> TNF- $\alpha$	Unvalidated
PPM34	■ PODS <sup>®</sup> VEGF-164	Unvalidated
PPH44	■ PODS <sup>®</sup> VEGF-165	Unvalidated
PPH330	■ PODS <sup>®</sup> Wnt-1	Available Upon Request
PPH331	■ PODS <sup>®</sup> Wnt-2	Available Upon Request
PPH332	■ PODS <sup>®</sup> Wnt-2b	Available Upon Request
PPH333	■ PODS <sup>®</sup> Wnt-3	Available Upon Request
PPH300	■ PODS <sup>®</sup> Wnt-3a	Available now – Validated
PPH334	■ PODS <sup>®</sup> Wnt-4	Available Upon Request
PPH335	■ PODS <sup>®</sup> Wnt-5a	Available Upon Request
PPH336	■ PODS <sup>®</sup> Wnt-5b	Available Upon Request
PPH337	■ PODS <sup>®</sup> Wnt-7a	Available Upon Request
PPH338	■ PODS <sup>®</sup> Wnt-7b	Available Upon Request
PPH339	■ PODS <sup>®</sup> Wnt-8a	Available Upon Request
PPH340	■ PODS <sup>®</sup> Wnt-8b	Available Upon Request
PPH341	■ PODS <sup>®</sup> Wnt-9a	Available Upon Request
PPH342	■ PODS <sup>®</sup> Wnt-9b	Available Upon Request
PPH343	■ PODS <sup>®</sup> Wnt-10a	Available Upon Request
PPH344	■ PODS <sup>®</sup> Wnt-10b	Available Upon Request
PPH345	■ PODS <sup>®</sup> Wnt-11	Available Upon Request
PPH346	■ PODS <sup>®</sup> Wnt-16b	Available Upon Request

All PODS<sup>®</sup> Growth Factors are available in the following pack sizes: 50 million, 250 million, and 1 billion.

Cell Guidance Systems' reagents and services enable control, manipulation and monitoring of the cell, both *in vitro* and *in vivo*

**Growth Factors**

- Recombinant
- Sustained Release

**Exosomes**

- Purification
- Detection
- Tracking
- NTA Service

**Small Molecules**

**Cell Counting Reagent**

**Matrix Proteins**

**Cell Culture Media**

- Pluripotent Stem Cells
- Photostable
- *In Vitro* Blastocyst Culture
- ETS-embryo Culture
- Custom Manufacturing Service

**Gene Knock-Up System**

**Cytogenetics Analysis**



HiSS Diagnostics GmbH ist ihr DIN 13485 zertifizierter Partner, der seit mehr als 33 Jahren deutsche Universitäten, Kliniken und Labore mit hochqualitativen IVD und LifeScience Produkten versorgt.

Unser Team, aus promovierten Naturwissenschaftlern, steht Ihnen für alle Fragestellungen gerne zur Verfügung.



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