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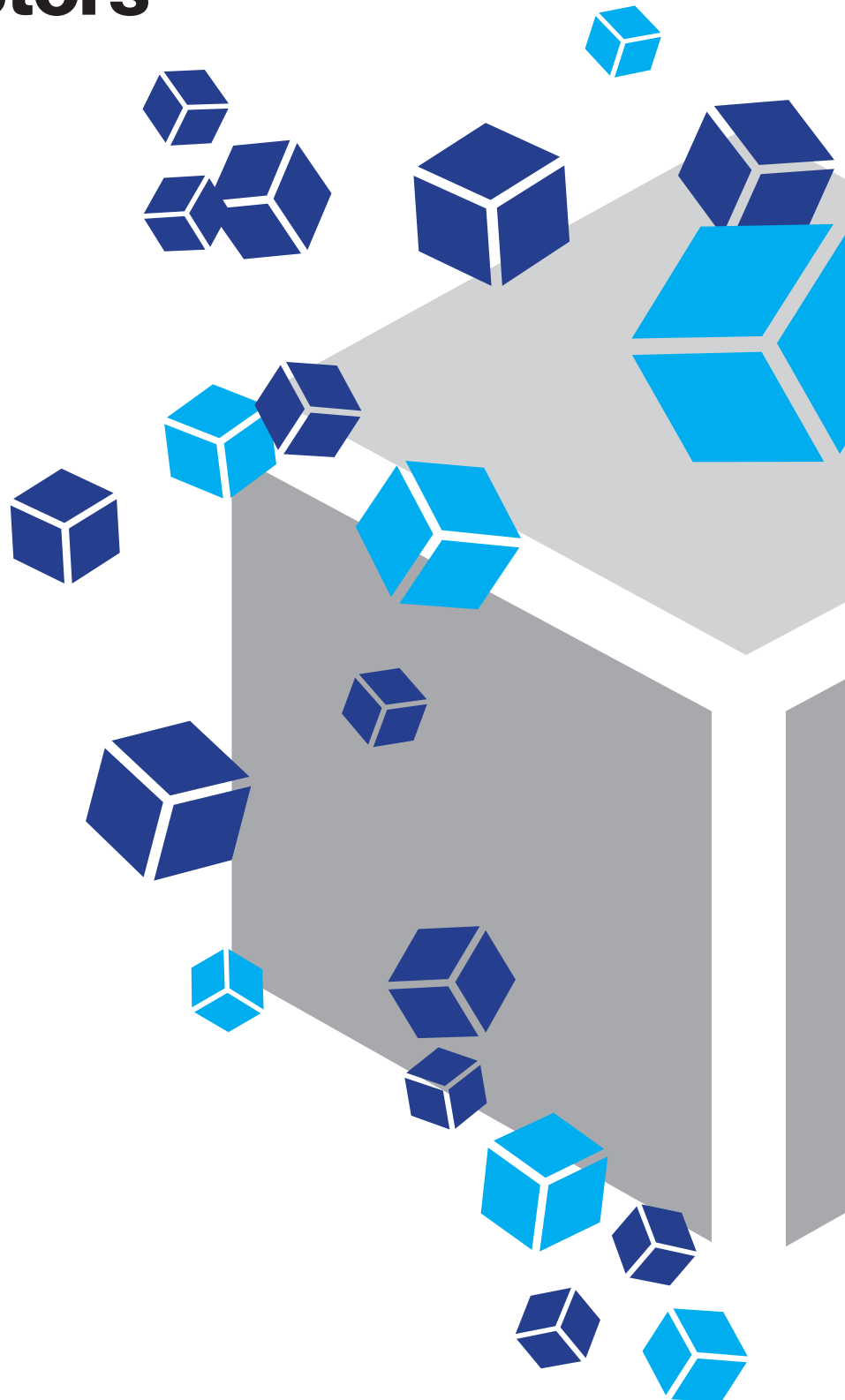


**SZABO  
SCANDIC**

Part of Europa Biosite



# Sustained Release Growth Factors



Powered by PODS® technology

# Technology

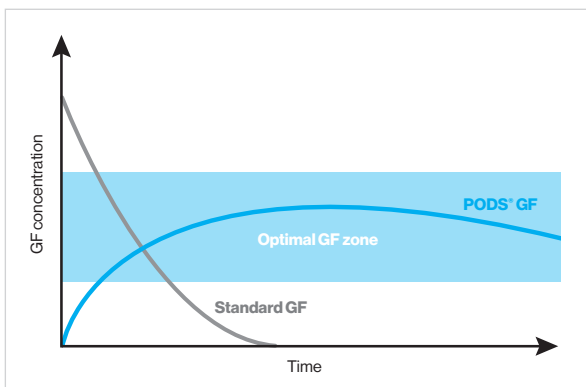
## PODS<sup>®</sup> technology from Cell Guidance Systems encapsulates growth factors in a protein shell, protecting and preserving their function.

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.

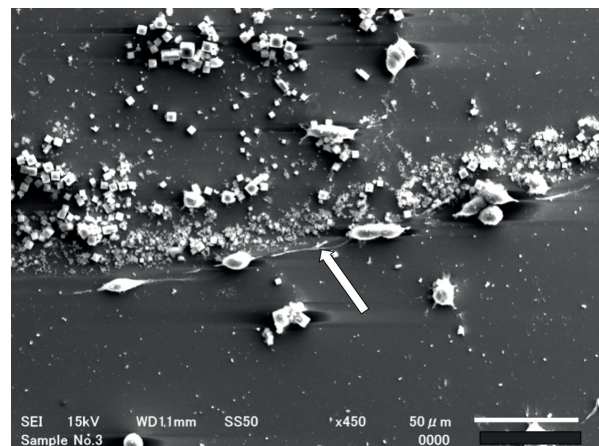
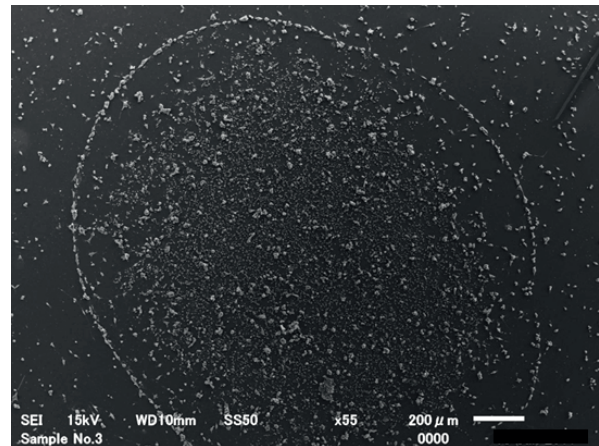


PODS<sup>®</sup> are a high-quality reagent, yet represent great value to the life science researcher.

### 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-γ	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-α	Unvalidated
PPH39	■ PODS <sup>®</sup> TGF-β1	Validated
PPH324	■ PODS <sup>®</sup> TGF-β2	Unvalidated
PPH109	■ PODS <sup>®</sup> TGF-β3	Unvalidated
PPH111	■ PODS <sup>®</sup> TNF-α	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**



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