

PG Depot™

Phospholipid Gel Depot Technology for Sustained Release (1-7 days)

LATITUDE Pharmaceuticals Inc.'s **Phospholipid Gel (PG) Depot™** technology is a versatile parenteral drug delivery platform for applications requiring the sustained release of small molecules, peptides, and proteins over 1-7 days.

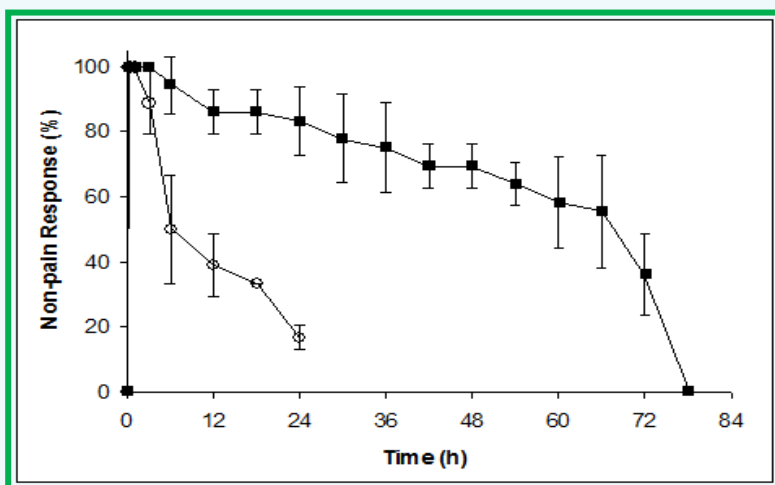
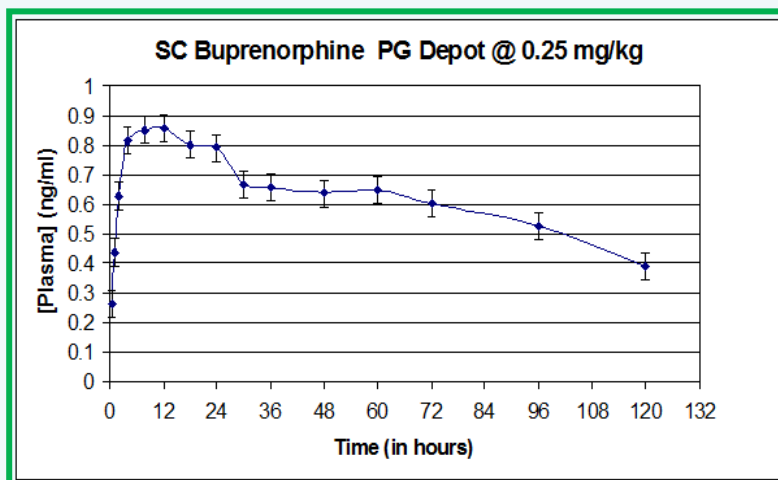


Key Advantages and Properties of the PG Depot™

- Sustained release for 1-7 days
- Small molecule, peptide and protein compatible
- Up to 20% drug loading by weight
- Protein-friendly: provides >6 month RT stability
- Enzyme-friendly: activity, stability uncompromised
- Tissue-friendly and wound compatible
- No collagen or other animal products
- Components all GRAS listed and compendial grade (USP, NP, EP)
- Single phase, ready-to-use format; no pre-mixing prior to use
- Injectable through fine needles
- Dosing paradigm shift: from once or twice per day to once/week
- Self administration-capable
- Peakless or burst profile can be designed into final product
- Simple and straightforward manufacturing
- Autoclavable
- ~\$0.20-\$2.00 vehicle cost/dose
- Patent issued

Technology	Manufacturing	Cost of Goods	Drug Loading	Burst	Premixing, Resuspen Req'd?	RT Stable?
PG Depot™	Simple	Low	~15-20%	Optional	No	Yes
Liposomes	Complex	High	-5%	Unavoidable	Yes	
Collagen	Complex	High	<10%	?	No	No
SABER™	?	High	~30%	?	Yes	No
PLGA	Complex	High	~5%	Unavoidable	Yes	No
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(Right) A peakless PK profile engineered into the PG Depot™ to avoid T_{max} issues. If desired, a burst release may be designed into the application.



(Left) For the same API, the PG Depot™ can be adjusted to achieve longer or shorter efficacy.

Licensing and feasibility studies

Latitude's PG Depot™ technology is available to expand the product possibilities and intellectual property space for your compound. Please contact LATITUDE to discuss how the PG Depot™ technology may address the sustained-release needs for your API. We recommend a quick turnaround, low cost feasibility study to explore the PG Depot™ potential for your compound.

