

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_78420
Title of the Manuscript:	Stability of Insulin on Polycaprolactone Nanoparticles as a Function of Surface Properties
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>Please revise the literature. I see several papers describing similar works. And make sure you specify the novelty of this work (what is different than already published works).</p> <p>Please revise the manuscript for clarity, and check your spelling.</p>	
Minor REVISION comments	<p>Section 2.2.5: It is not clear how the NP-insulin was prepared (dialyzed in separate dialysis bags?). And type of PCL?</p> <p>Section 2.2.7: I am not sure if the authors measured the amount of insulin from the HTD experiment... and why not simply determined the concentration spectroscopically (why using an HPLC??).</p> <p>Sections 3.1: Please clarify the following: how many molecules of insulin, in a monolayer, cover the surface of your particles (to arrive to mg/m2)?</p> <p>Section 4: Define IEP (isoelectric point). There is no reference to figures 2 and 3.</p> <p>Table 1: Include PCL-insulin data. PDI: it seems too low... it is usually reported as % polydispersity.</p> <p>Figures 2 and 3: Define insulin PSD Data at "0" insulin concentration.... What does this size data means? These figures do not add much information.</p> <p>Table 2: Please explain how ug/m2 was calculated</p> <p>Figure 6: This picture shows a very heterogeneous mixture of particles of different sizes, I feel.</p>	
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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