UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

NALOX-1 PHARMACEUTICALS, LLC, Petitioner,

v.

ADAPT PHARMA OPERATIONS LIMITED, and OPIANT PHARMACEUTICALS, INC., Patent Owners.

Case IPR2019-00694 U.S. Patent No. 9,629,965

DECLARATION OF ROBERT L. VIGIL, PH.D.



TABLE OF CONTENTS

I.	INTRODUCTION					
	A.	Assignment4				
	B.	Summary of Conclusions5				
	C.	Qualifications6				
	D.	Compensation				
	E.	Evidence Considered8				
II.	BACKGROUND					
	A.	The Challenged Patents				
	B.	The Naloxone Marketplace1				
	C.	Naloxone Products				
		1.	Vials and Pre-Filled Syringes for Injection	21		
		2.	Unapproved and Off-Label Intranasal "Kits"	22		
		3.	Evzio® Auto-Injector	23		
		4.	Narcan® Nasal Spray	27		
	D.	Naloxone Distribution and Reimbursement				
		1.	Retail Segment	30		
		2.	Public Interest Segment	34		
III.	LEGAL FRAMEWORK					
IV.	MARKETPLACE SUCCESS OF NARCAN® NASAL SPRAY					
	A.	Sales Revenue and Units		37		
	В.	Market Expansion4				
	C.	Market Share				
		1.	Retail Segment	43		
		2.	Public Interest Segment	45		
	D.	Contribution to Acquisition of Adapt46				
	E.	Generic Entry4				



V.	CAUSAL NEXUS				
	A.	Overview of Patented Features			
	В.	Contribution of Patented Features to Consumer Demand			
		1.	Patented Features Emphasized in Marketing Materials	50	
		2.	Patented Features Praised by Third Parties	54	
	C.	Non-Patented Features			
		1.	Adapt's Sales and Marketing Efforts	62	
		2.	FDA Approval	72	
		3.	Pricing	78	



I, Robert L. Vigil, Ph.D., hereby declare as follows:

I. INTRODUCTION

A. Assignment

- 1. This declaration is being submitted on behalf of Adapt Pharma

 Operations Limited ("Adapt") and Opiant Pharmaceuticals, Inc. ("Opiant")

 (collectively, "Patent Owners") in three *inter partes* review ("IPR") proceedings

 filed by Nalox-1 Pharmaceuticals, LLC ("Nalox-1"), Case Nos. IPR2019-00685,

 IPR2019-00688, and IPR2019-00694. Because there are a number of common issues in these IPR proceedings, I am providing a single declaration across all three IPR proceedings.
- 2. I have been retained to provide expert analysis and testimony regarding the commercial success of the invention described and claimed in U.S. Patent Nos. 9,211,253 ("the '253 patent"); 9,468,747 ("the '747 patent"); and 9,629,965 ("the '965 patent") (collectively, "the Adapt patents" or "the challenged patents"). I understand that Nalox-1 has challenged claims 1–29 of the '253 patent, claims 1–45 of the '747 patent, and claims 1–30 of the '965 patent ("the challenged claims") as being unpatentable as obvious.
- 3. Specifically, I have been asked to evaluate whether Narcan® Nasal Spray is a success in the marketplace, and whether there is a nexus between that product's success, if any, and the invention described in the challenged patents. As



part of this assignment, I have been asked to consider whether Narcan® Nasal Spray's marketplace success reflects the product's fulfillment of long-felt need, as well as third-party praise for the invention described in the challenged patents.

- 4. I understand that each of the three IPR proceedings at issue has its own set of exhibit numbers. I will therefore refer to the exhibits by name; a chart of the relevant exhibit numbers in each proceeding and the short names I use to refer to different documents is attached to the end of this declaration.
- 5. For the purpose of my analysis, I have relied on the opinions of Dr. Stuart Jones expressed in his declaration ("Jones Decl.") that Narcan® Nasal Spray and/or the use of the Narcan® Nasal Spray embodies the challenged claims of the Adapt patents. I have not conducted an independent analysis of whether Narcan® Nasal Spray embodies every element of those claims.

B. Summary of Conclusions

6. Based upon my review and analysis of the evidence, it is my opinion that the commercial embodiment of the challenged patents and claims, Narcan® Nasal Spray, has been a marketplace success in the United States. Moreover, the challenged patents and claims have enabled key features and benefits of Narcan® Nasal Spray that have contributed to its success in the marketplace. As a result, I conclude that the invention described in the challenged patents and claims has been a commercial success. I also conclude that these features and benefits of Narcan®



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