

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM341567

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
NAVIDEA BIOPHARMACEUTICALS, INC.		05/15/2015	CORPORATION: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	CAPITAL ROYALTY PARTNERS II L.P.		
<b>Street Address:</b>	1000 Main Street, Suite 2500		
<b>City:</b>	Houston		
<b>State/Country:</b>	TEXAS		
<b>Postal Code:</b>	77002		
<b>Entity Type:</b>	LIMITED PARTNERSHIP: DELAWARE		
<b>Name:</b>	ROYALTY PARTNERS II - PARALLEL FUND "A" L.P.		
<b>Street Address:</b>	1000 Main Street, Suite 2500		
<b>City:</b>	Houston		
<b>State/Country:</b>	TEXAS		
<b>Postal Code:</b>	77002		
<b>Entity Type:</b>	LIMITED PARTNERSHIP: DELAWARE		
<b>Name:</b>	PARALLEL INVESTMENT OPPORTUNITIES PARTNERS II L.P.		
<b>Street Address:</b>	1000 Main Street, Suite 2500		
<b>City:</b>	Houston		
<b>State/Country:</b>	TEXAS		
<b>Postal Code:</b>	77002		
<b>Entity Type:</b>	LIMITED PARTNERSHIP: DELAWARE		
<b>PROPERTY NUMBERS Total: 6</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	3163525	LYMPHOSEEK	
<b>Serial Number:</b>	86055675	LYMPHOSEEK (TECHNETIUM TC 99M TILMANOCEP	
<b>Registration Number:</b>	4514173	NAVIDEA	
<b>Registration Number:</b>	4207633	NAVIDEA BIOPHARMACEUTICALS	
<b>Serial Number:</b>	86287230	MANOCEPT	
<b>Serial Number:</b>	86287231	MANOCEPT	

TRADEMARK

**CORRESPONDENCE DATA****Fax Number:** 4156932222

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 4156932000**Email:** crhem@cooley.com**Correspondent Name:** Cooley LLP**Address Line 1:** 101 California Street, 5th Floor**Address Line 4:** San Francisco, CALIFORNIA 94111

<b>ATTORNEY DOCKET NUMBER:</b>	321831-102 NAVIDEA
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<b>NAME OF SUBMITTER:</b>	C. Rhem
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<b>SIGNATURE:</b>	/CR/
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<b>DATE SIGNED:</b>	05/15/2015
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**Total Attachments: 3**

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## SHORT-FORM TRADEMARK SECURITY AGREEMENT

WHEREAS, NAVIDEA BIOPHARMACEUTICALS, INC. (the “Grantor”) has adopted, used, is using, or intends to use, and is the owner of the trademarks and trademark applications listed in the attached Schedule of Trademarks and Trademark Applications, and the registrations and applications associated therewith;

WHEREAS, the Grantor has contemporaneously with the execution of this Short-Form Trademark Security Agreement entered into the Security Agreement dated as of May 15, 2015 (as modified from time to time, the “Security Agreement”), in which the Grantor has granted certain interests in favor of CAPITAL ROYALTY PARTNERS II L.P., CAPITAL ROYALTY PARTNERS II – PARALLEL FUND “A” L.P., and PARALLEL INVESTMENT OPPORTUNITIES PARTNERS II L.P. (together, with their successors and assigns, the “Secured Parties”);

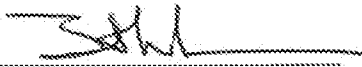
WHEREAS, pursuant to the Security Agreement, the Grantor has agreed with the Secured Parties to execute this Short-Form Trademark Security Agreement; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor hereby grants to the Secured Parties, to the extent provided in the Security Agreement (the terms and conditions of which are hereby incorporated herein), a security interest in all of its right, title and interest in, to and under all the trademarks, whether now owned or at any time hereafter acquired, of the Grantor that are registered with, or for which applications for registration have been filed with, the United States Patent and Trademark Office, including the trademarks listed on the attached Schedule of Registered Trademarks, and all registrations and pending applications associated therewith (excluding any application for registration of a trademark filed on an intent-to-use basis solely to the extent that the grant of a security interest in any such trademark application would materially adversely affect the validity or enforceability of the resulting trademark registration or result in cancellation of such trademark application), as collateral security for the prompt and complete payment and performance when due of all the Secured Obligations (as defined in the Security Agreement). Notwithstanding the foregoing, in the event of any conflict between this Short-Form Trademark Security Agreement and the Security Agreement, the Security Agreement shall control.

Date: May 15, 2015

IN WITNESS WHEREOF, the party hereto has caused this Short-Form Trademark Security Agreement to be duly executed and delivered as of the day and year first above written.

NAVIDEA BIOPHARMACEUTICALS, INC.

By: 

Name: Brent L. Larson

Title: Exec. Vice President/CFO

[Signature Page to Short-Form Trademark Security Agreement]

**TRADEMARK**  
**REEL: 005518 FRAME: 0110**

SCHEDULE OF  
TRADEMARKS AND TRADEMARK APPLICATIONS

**TRADEMARKS AND TRADEMARK APPLICATIONS**

<b>Owner</b>	<b>Trademark</b>	<b>Jurisdiction</b>	<b>Registration Number (if registered)/Serial Number (if applied for only)</b>	<b>Registration Date (if registered)/Filing Date (if applied for only)</b>
Navidea Biopharmaceuticals, Inc.	"LYMPHOSEEK" (Standard Characters)	US	3,163,525	10/24/2006
Navidea Biopharmaceuticals, Inc.	"LYMPHOSEEK" (Standard Characters)	CA	1647184	10/9/2013
Navidea Biopharmaceuticals, Inc.	"LYMPHOSEEK" (Standard Characters)	EP	12,204,202	3/5/2014
Navidea Biopharmaceuticals, Inc.	"LYMPHOSEEK" (Standard Characters)	JP	5,649,575	2/14/2014
Navidea Biopharmaceuticals, Inc.	"LYMPHOSEEK" (Standard Characters)	CN	13988394	1/27/2014
Navidea Biopharmaceuticals, Inc.	"LYMPHOSEEK" (Logo)	US	86/055,675	9/4/2013
Navidea Biopharmaceuticals, Inc.	"NAVIDEA" (Standard Characters)	US	4,514,173	4/15/2014
Navidea Biopharmaceuticals, Inc.	"NAVIDEA" (Standard Characters)	CA	1647179	10/9/2013
Navidea Biopharmaceuticals, Inc.	"NAVIDEA" (Standard Characters)	EP	122,041,786	3/6/2014
Navidea Biopharmaceuticals, Inc.	"NAVIDEA" (Standard Characters)	JP	5,652,414	2/28/2014
Navidea Biopharmaceuticals, Inc.	"NAVIDEA" (Standard Characters)	CN	14109341	3/4/2013
Navidea Biopharmaceuticals, Inc.	"NAVIDEA BIOPHARMACEUTICALS" (Logo)	US	4,207,633	9/11/2012
Navidea Biopharmaceuticals, Inc.	"MANOCEPT" (Standard Characters – Class 5)	US	86/287,230	5/21/2014
Navidea Biopharmaceuticals, Inc.	"MANOCEPT" (Standard Characters – Class 42)	US	86/287231	5/21/2014