

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>		NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>		Sixth Supplement to Trademark Security Agreement	
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Hologic, Inc.		04/20/2009	CORPORATION:
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Goldman Sachs Credit Partners L.P., as Collateral Agent		
<b>Street Address:</b>	30 Hudson Street		
<b>Internal Address:</b>	36th Floor		
<b>City:</b>	Jersey City		
<b>State/Country:</b>	NEW JERSEY		
<b>Postal Code:</b>	07302		
<b>Entity Type:</b>	LIMITED PARTNERSHIP:		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	77683187	FLUOROSCAN	
<b>Serial Number:</b>	77687627	MAMMOSITE	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(212)751-4864		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
<b>Phone:</b>	212-906-1200		
<b>Email:</b>	angela.amaru@lw.com		
<b>Correspondent Name:</b>	Latham & Watkins		
<b>Address Line 1:</b>	885 Third Avenue		
<b>Address Line 2:</b>	Suite 1000		
<b>Address Line 4:</b>	New York, NEW YORK 10022		
<b>ATTORNEY DOCKET NUMBER:</b>	022411-0808		
<b>NAME OF SUBMITTER:</b>	Angela M. Amaru		

CH \$65.00 77683187

Signature:	/s/ Angela M. Amaru
Date:	04/21/2009
<b>Total Attachments: 6</b> source=6th supp to TM Security Agr - Hologic#page1.tif source=6th supp to TM Security Agr - Hologic#page2.tif source=6th supp to TM Security Agr - Hologic#page3.tif source=6th supp to TM Security Agr - Hologic#page4.tif source=6th supp to TM Security Agr - Hologic#page5.tif source=6th supp to TM Security Agr - Hologic#page6.tif	

## Trademark Supplement

### SIXTH SUPPLEMENT TO TRADEMARK SECURITY AGREEMENT

This Sixth Supplement to Trademark Security Agreement (this "Supplement") is dated as of April 20, 2009, effective as of March 31, 2009, is made and entered into by and between Hologic, Inc., R2 Technology, Inc., Suros Surgical Systems, Inc., BioLucent LLC, Direct Radiography Corp., Cytoc Corporation, Cytoc Prenatal Products Corp. and Cytoc Surgical Products III, Inc. (collectively, the "Grantors"), and Goldman Sachs Credit Partners L.P., in its capacity as collateral agent for the Secured Parties (together with any successors and assigns thereto in such capacity, the "Collateral Agent").

#### WITNESSETH:

WHEREAS, Grantors are a party to an Amended and Restated Pledge and Security Agreement dated as of July 17, 2008 (as amended, restated, amended and restated, supplemented and/or otherwise modified to date and from time to time, the "Amended and Restated Pledge and Security Agreement") between each of the Grantors and the other grantors party thereto and the Collateral Agent;

WHEREAS, pursuant to the Amended and Restated Pledge and Security Agreement, the Grantors executed and delivered to the Collateral Agent a Trademark Security Agreement dated as of July 17, 2008 (as amended, restated, amended and restated, supplemented and/or otherwise modified to date and from time to time, the "Trademark Security Agreement") by and between the Grantors and Collateral Agent; and

WHEREAS, this Supplement shall amend and supplement the Trademark Security Agreement.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantors hereby agree with the Collateral Agent as follows:

1. DEFINED TERMS. Capitalized terms used herein and not otherwise defined shall have the meanings assigned to such terms in the Amended and Restated Pledge and Security Agreement and Trademark Security Agreement, as applicable.

2. SCHEDULE I TO TRADEMARK SECURITY AGREEMENT. Schedule I of the Trademark Security Agreement is hereby revised by adding thereto the Trademark Collateral listed on Section 1 of Exhibit A hereto.

3. MISCELLANEOUS.

a. Counterparts. This Supplement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall constitute but one and the same Supplement. Delivery of an executed counterpart of this Supplement by facsimile shall be equally as effective as delivery of an original executed


counterpart of this Supplement. Any party delivering an executed counterpart of this Supplement by facsimile also shall deliver an original executed counterpart of this Supplement but the failure to deliver an original executed counterpart shall not affect the validity, enforceability, and binding effect of this Supplement. This Supplement shall be deemed to be a Credit Document.

b. Governing Law. This Supplement shall be governed by and construed in accordance with the internal laws of the State of New York without giving effect to any conflict or choice of laws rules or provisions (other than Section 5-1401 and Section 5-1402 of the New York General Obligation Laws).

**[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]**

IN WITNESS WHEREOF, each Grantor has caused this Supplement to be executed and delivered by its duly authorized officer as of the date first set forth above.

**HOLOGIC, INC., as Grantor**

By:  \_\_\_\_\_

Name: Glenn P. Muir

Title: Executive Vice President, Finance and Administration, Chief Financial Officer and Treasurer and Assistant Secretary


**R2 TECHNOLOGY, INC., as Grantor**

By:  \_\_\_\_\_

Name: Glenn P. Muir

Title: Executive Vice President, Treasurer and Secretary

**SUROS SURGICAL SYSTEMS, INC., as Grantor**

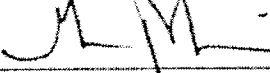
By:  \_\_\_\_\_

Name: Glenn P. Muir

Title: Executive Vice President, Treasurer and Secretary

**BIOLUCENT, LLC, as Grantor**


By: Hologic, Inc.,  
Its Sole Member and Manager

By:  \_\_\_\_\_


Name: Glenn P. Muir

Title: Executive Vice President, Finance and Administration, Chief Financial Officer and Treasurer and Assistant Secretary

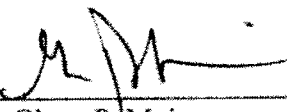
**DIRECT RADIOGRAPHY CORP., as Grantor**

By:   
Name: Glenn P. Muir  
Title: Executive Vice President, Treasurer and Secretary


**CYTYC CORPORATION, as Grantor**

By:   
Name: Glenn P. Muir  
Title: Executive Vice President, Treasurer and Secretary

**CYTYC PRENATAL PRODUCTS CORP., as Grantor**

By:   
Name: Glenn P. Muir  
Title: Executive Vice President, Treasurer and Secretary

**CYTYC SURGICAL PRODUCTS III, INC., as Grantor**

By:   
Name: Glenn P. Muir  
Title: Executive Vice President, Treasurer and Secretary

Accepted and Agreed:

**GOLDMAN SACHS CREDIT PARTNERS L.P.,**  
as Collateral Agent

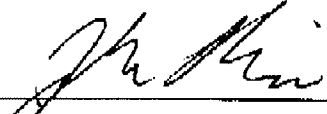
By:   
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
John Darmanin  
Authorized Signatory

EXHIBIT A

1. TRADEMARK REGISTRATIONS AND APPLICATIONS TO BE ADDED TO SCHEDULE I TO TRADEMARK SECURITY AGREEMENT

<u>Title</u>	<u>App. No./ Reg. No.</u>	<u>Status</u>	<u>Country</u>	<u>Filing Date</u>	<u>Owner</u>
FLUOROSCAN	77/683,187		US	03/04/2009	Hologic, Inc.
MAMMOSITE	77/687,627		US	03/10/2009	Hologic, Inc.
Cellient	77/027416	Filed	US	10/23/2006	Cytc Corporation
Cellient and Design	77/028817	Filed	US	10/25/2006	Cytc Corporation

2. TRADEMARK REGISTRATIONS AND APPLICATIONS TO BE DELETED FROM SCHEDULE I TO TRADEMARK SECURITY AGREEMENT

**[INTENTIONALLY OMITTED]**