

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM317953

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Genzyme Corporation		05/30/2014	CORPORATION: MASSACHUSETTS
RECEIVING PARTY DATA			
Name:	Aastrom Biosciences, Inc.		
Street Address:	24 Frank Lloyd Write Drive		
Internal Address:	Domino's Farms, Lobby K		
City:	Ann Arbor		
State/Country:	MICHIGAN		
Postal Code:	48105		
Entity Type:	CORPORATION: MICHIGAN		
PROPERTY NUMBERS Total: 8			
Property Type	Number	Word Mark	
Registration Number:	2185013	CARTICEL	
Registration Number:	1998289	CARTICEL	
Registration Number:	3091187	CARTICEL CARE	
Serial Number:	85512439	MACI	
Serial Number:	85843354	MACI	
Registration Number:	3867924	VIP ASSAYS	
Registration Number:	2355743	EPICEL	
Registration Number:	2369303	EPICEL	
CORRESPONDENCE DATA			
Fax Number:	6175231231		
<i>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.</i>			
Phone:	6175701000		
Email:	rthomas@goodwinprocter.com		
Correspondent Name:	Ryan E. Thomas		
Address Line 1:	Goodwin Procter LLP		
Address Line 2:	Exchange Place, 53 State Street		
Address Line 4:	Boston, MASSACHUSETTS 02109		

OP \$215.00 2185013

ATTORNEY DOCKET NUMBER:	125695-197833
NAME OF SUBMITTER:	Ryan E. Thomas
SIGNATURE:	/RET/
DATE SIGNED:	09/24/2014

Total Attachments: 18

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TRADEMARK ASSIGNMENT AGREEMENT

THIS TRADEMARK ASSIGNMENT AGREEMENT is dated as of May 30, 2014 (“Effective Date”), and is made from Genzyme Corporation, a Massachusetts corporation (“Assignor”), to Aastrom Biosciences, Inc., a Michigan corporation (“Assignee”).

WHEREAS, the Assignor is the owner of those certain trademark registrations and trademark applications set forth in the attached Schedule A (the “Trademarks”);

WHEREAS, pursuant to the Asset Purchase Agreement dated April 19, 2014, between Assignor and Assignee (the “Purchase Agreement”), Assignee wishes to acquire from the Assignor, and the Assignor wishes to transfer to Assignee, all of the Assignor’s right, title and interest in and to the Trademarks; and

WHEREAS, in conjunction with this assignment, the Assignee is acquiring the business of Assignor in which Assignor has a *bona fide* intent to use the Trademarks in those pending intent-to-use applications set forth in the attached Schedule A (the “Pending Trademarks”).

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Assignment of Rights. Effective upon the Effective Date, the Assignor hereby assigns, transfers, conveys and delivers to Assignee all of its right, title and interest in, to and under (a) the Trademarks, (b) the goodwill of the business symbolized by and associated with the Trademarks, (c) all applications and registrations for the Trademarks, (d) any and all rights, privileges and proceeds under the Trademarks, including, without limitation, any claim by Assignor against third parties for past, present or future infringement of the Trademarks, and (e) the business of Assignor with which it has a *bona fide* intent to use the Pending Trademarks.

2. Recordation. Effective upon the Effective Date, the Assignee shall be responsible for and shall pay all costs relating to the registration, maintenance and prosecution of the Trademarks, including payment of any associated fees therefor, for the notarization, authentication, legalization and/or consularization of the signatures hereof, and for the recording of such assignment documents with the appropriate governmental authorities. As soon as possible after the Effective Date, the Assignee shall provide draft assignment documents by country, at the Assignee’s expense, for approval and execution by the Assignor.

3. No Alteration. Each of the Assignor and the Assignee hereby acknowledges and agrees that none of the representations, warranties, covenants, rights or remedies of any party under the Purchase Agreement shall be deemed to be enlarged, modified or altered in any way by the execution and acceptance of this instrument.

4. Further Assurances. Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary to effect or formalize the transfer of the Trademarks.

5. General. This Trademark Assignment Agreement will be binding upon and inure to the benefit of the parties and their respective successors and assigns, but will not run to the benefit of or be enforceable by any other person. This Trademark Assignment Agreement may

be executed in one or more counterparts, each of which shall be deemed an original and binding as of the date first written above, and, when delivered, all of which shall constitute one and the same instrument. This Trademark Assignment Agreement will be governed by the laws of the State of New York, without regard to its conflict of laws principles.

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IN WITNESS WHEREOF, the parties have executed, made and entered into this Trademark Assignment Agreement as of the date first set forth above.

GENZYME CORPORATION

By: [Signature]
Name: Steve Couldwell
Title: Attorney-in-Fact

AASTROM BIOSCIENCES, INC.

By: _____
Name: _____
Title: _____

Suffolk [city/county] MASSACHUSETTS, ss.

On this 30th day of May, 2014, before me, the undersigned notary public,
Day Month

personally appeared STEVE COULDWELL,
Name (s) of Signer(s)

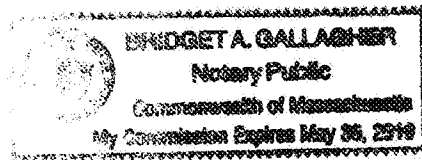
proved to me through satisfactory evidence of identification, which
was/were Drivers License,
[Description of Evidence of Identity]

to be the person(s) whose name(s) is/are signed on the preceding or attached document, and
acknowledged to me that he/she/they signed it voluntarily for its stated purpose.

as Attorney-in-Fact for
Title of Office
GENZYME CORPORATION

[Signature]
Signature of Notary Public

Place Notary Seal and/or Stamp above



IN WITNESS WHEREOF, the parties have executed, made and entered into this Trademark Assignment Agreement as of the date first set forth above.

GENZYME CORPORATION

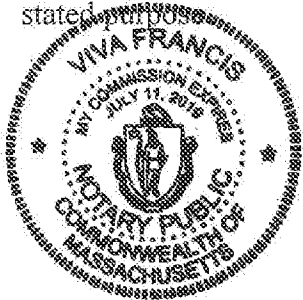
By: _____
Name: Steve Couldwell
Title: Attorney-in-Fact

AASTROM BIOSCIENCES, INC.

By: [Signature]
Name: Dominick C. Colangelo
Title: President and CEO

Suffolk County, ss.

On this 19th day of May, 2014, before me, the undersigned notary public, personally appeared Dominick C. Colangelo proved to me through satisfactory evidence of identification, which was Massachusetts Driver's License, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.



as President / CEO for
Title of Office

AASTROM BIOSCIENCES, INC.

[Signature]
Signature of Notary Public

Place Notary Seal and/or Stamp above

Schedule A

Trademark	Country	Filing Type	Class	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
CARTICEL	ALBANIA	NATIONAL FILING	05;42	RENEWAL	14-Aug-11	AL-M-01-00543	14-Aug-01	9033	28-May-02	GENZYME CORPORATION	14-Aug-21
CARTICEL	ARGENTINA	NATIONAL FILING	10	PUBLICATION	23-Oct-13	3.262.251	5-Jul-13			GENZYME CORPORATION	
CARTICEL	ARMENIA	NATIONAL FILING	05	REGISTRATION	27-Oct-09	20090244	9-Mar-09	14645	27-Oct-09	GENZYME CORPORATION	9-Mar-19
CARTICEL	BELIZE	NATIONAL FILING	05;42	REGISTRATION	20-Jul-11	7960.11	20-Jul-11	7960.11	20-Jul-11	GENZYME CORPORATION	20-Jul-21
CARTICEL	BULGARIA	NATIONAL FILING	05;42	RENEWAL	16-Aug-11	56032	16-Aug-01	44097	25-Feb-03	GENZYME CORPORATION	16-Aug-21
CARTICEL	CZECH REPUBLIC	NATIONAL FILING	05;42	RENEWAL	15-Aug-11	170572	15-Aug-01	245861	29-Jul-02	GENZYME CORPORATION	15-Aug-21
CARTICEL	ECUADOR	NATIONAL FILING	05	REGISTRATION	30-Jun-09	211173	27-Feb-09	1190936	30-Jun-09	GENZYME CORPORATION	30-Jun-19
CARTICEL	EGYPT	NATIONAL FILING	05	PUBLICATION	21-Nov-12	262080	27-Jun-11			GENZYME CORPORATION	
CARTICEL	EUROPEAN UNION	COMMUNITY TRADEMARK	05;42	RENEWAL	21-Feb-11	2111094	21-Feb-01	2111094	24-May-02	GENZYME CORPORATION	21-Feb-21
CARTICEL	EUROPEAN UNION	COMMUNITY TRADEMARK	42	RENEWAL	18-Oct-06	395343	18-Oct-96	395343	23-Sep-98	GENZYME CORPORATION	18-Oct-16
CARTICEL	HONG KONG	NATIONAL FILING	05	REGISTRATION	12-Mar-09	30130249	12-Mar-09	30130249	12-Mar-09	GENZYME CORPORATION	11-Mar-19
CARTICEL	HUNGARY	NATIONAL FILING	05;42	RENEWAL	17-Aug-11	M0104493	17-Aug-01	172139	23-Sep-02	GENZYME CORPORATION	17-Aug-21
CARTICEL	INDIA	NATIONAL FILING	05;42	REGISTRATION	31-Mar-09	1673910	8-Apr-08	1673910	31-Mar-09	GENZYME CORPORATION	8-Apr-18

Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
CARTICEL	LITHUANIA	NATIONAL FILING	05;42	RENEWAL	20-Aug-11	20011595	20-Aug-01	45351	13-May-02	GENZYME CORPORATION	20-Aug-21
CARTICEL	MOLDOVA	NATIONAL FILING	05;42	RENEWAL	15-Aug-11	10524	15-Aug-01	8919	7-Aug-02	GENZYME CORPORATION	15-Aug-21
CARTICEL	MONTENEGRO	NATIONAL FILING	05;44	RENEWAL	15-Aug-11	Z-2001-1288	15-Aug-01	47301	15-Jul-04	GENZYME CORPORATION	15-Aug-21
CARTICEL	NORWAY	NATIONAL FILING	05;42	RENEWAL	14-Mar-12	200109929	16-Aug-01	213634	14-Mar-02	GENZYME CORPORATION	14-Mar-22
CARTICEL	PANAMA	NATIONAL FILING	05	REGISTRATIO N	12-Mar-09	179688	12-Mar-09	179688	12-Mar-09	GENZYME CORPORATION	12-Mar-19
CARTICEL	POLAND	NATIONAL FILING	05;42	RENEWAL	20-Aug-11	239799	20-Aug-01	R-163075	15-Nov-05	GENZYME CORPORATION	20-Aug-21
CARTICEL	ROMANIA	NATIONAL FILING	05;44	RENEWAL	20-Aug-11	M 200104054	20-Aug-01	47609	20-Aug-01	GENZYME CORPORATION	20-Aug-21
CARTICEL	RUSSIAN FEDERATION	NATIONAL FILING	05;42	RENEWAL	16-Aug-11	2001724862	16-Aug-01	240608	18-Mar-03	GENZYME CORPORATION	16-Aug-21
CARTICEL	SAUDI ARABIA	NATIONAL FILING	05	REGISTRATIO N	7-May-13	170313	16-Jul-11	143070	7-May-13	GENZYME CORPORATION	16-Mar-21
CARTICEL	SAUDI ARABIA	NATIONAL FILING	44	REGISTRATIO N	1-Jul-13	170314	16-Jul-11	146270	1-Jul-13	GENZYME CORPORATION	16-Mar-21
CARTICEL	SERBIA (REPUBLIC OF)	NATIONAL FILING	05;44	RENEWAL	15-Aug-11	Z-1286/01	15-Aug-01	47301	15-Jul-04	GENZYME CORPORATION	15-Aug-21
CARTICEL	SINGAPORE	NATIONAL FILING	05	REGISTRATIO N	9-Mar-09	T0902392Z	9-Mar-09	T0902392Z	9-Mar-09	GENZYME CORPORATION	9-Mar-19
CARTICEL	SLOVAKIA	NATIONAL FILING	05	RENEWAL	16-Aug-11	37530	16-Aug-01	202576	15-Apr-03	GENZYME CORPORATION	16-Aug-21
CARTICEL	SLOVAKIA	NATIONAL FILING	05;42	RENEWAL	16-Aug-11	2468-2001	16-Aug-01	201113	11-Nov-02	GENZYME CORPORATION	16-Aug-21
CARTICEL	SLOVENIA	NATIONAL FILING	05;42	RENEWAL	17-Aug-11	Z-200171316	17-Aug-01	200171316	24-Apr-02	GENZYME CORPORATION	17-Aug-21

Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
CARTICEL	SWITZERLAND	NATIONAL FILING	05;42	RENEWAL	15-Aug-11	08020/2001	15-Aug-01	497314	4-Apr-02	GENZYME CORPORATION	15-Aug-21
CARTICEL	TAIWAN	NATIONAL FILING	05	REGISTRATION	1-Jan-10	98008913	11-Mar-09	1391488	1-Jan-10	GENZYME CORPORATION	31-Dec-19
CARTICEL	TURKEY	NATIONAL FILING	05;42	RENEWAL	20-Aug-11	2001/16520	20-Aug-01	2001/16520	20-Aug-01	GENZYME CORPORATION	20-Aug-21
CARTICEL	UKRAINE	NATIONAL FILING	05;42	RENEWAL	16-Aug-11	2001085136	16-Aug-01	34834	15-Sep-03	GENZYME CORPORATION	16-Aug-21
CARTICEL	UNITED STATES OF AMERICA	NATIONAL FILING	05	RENEWAL	25-Aug-08	75/243,080	18-Feb-97	2,185,013	25-Aug-98	GENZYME CORPORATION	25-Aug-18
CARTICEL	UNITED STATES OF AMERICA	NATIONAL FILING	42	RENEWAL	3-Sep-06	74/732,030	15-Sep-95	1,998,289	3-Sep-96	GENZYME CORPORATION	3-Sep-16
CARTICEL CARE	UNITED STATES OF AMERICA	NATIONAL FILING	41	REGISTRATION	9-May-06	78/417,840	13-May-04	3,091,187	9-May-06	GENZYME CORPORATION	9-May-16
MACI	ALBANIA	NATIONAL FILING	05;10	REGISTRATION	06-Jan-10	AL/T/2009/259	16-Apr-09	12726	06-Jan-10	GENZYME CORPORATION	16-Apr-19
MACI	ARGENTINA	NATIONAL FILING	10	REGISTRATION	16-Apr-10	2923031	18-Jun-09	2360332	16-Apr-10	GENZYME CORPORATION	16-Apr-20
MACI	ARMENIA	NATIONAL FILING	10	REGISTRATION	11-Nov-09	20090249	09-Mar-09	14709	11-Nov-09	GENZYME CORPORATION	09-Mar-19
MACI	AUSTRALIA	NATIONAL FILING	10	RENEWAL	19-Nov-09	814610	19-Nov-99	814610	19-Nov-99	GENZYME CORPORATION	19-Nov-19
MACI	AUSTRIA	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	AZERBAIJAN	NATIONAL FILING	10	REGISTRATION	07-May-10	20090817	24-Jun-09	20100483	07-May-10	GENZYME CORPORATION	24-Jun-19
MACI	BELARUS	NATIONAL FILING	10	REGISTRATION	17-Sep-12	20093321	11-Sep-09	41244	17-Sep-12	GENZYME CORPORATION	11-Sep-19

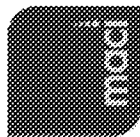
Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
MACI	BENELUX	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	BOLIVIA	NATIONAL FILING	10	REGISTRATIO N	29-Jun-10	SM-1101-09	26-Mar-09	121471-C	29-Jun-10	GENZYME CORPORATION	29-Jun-20
MACI	BRAZIL	NATIONAL FILING	10	REGISTRATIO N	15-May-12	830350861	17-Jul-09	830350861	15-May-12	GENZYME CORPORATION	15-May-22
MACI	CANADA	NATIONAL FILING	10	REGISTRATIO N	23-Jan-12	1430745	12-Mar-09	TMA815,956	23-Jan-12	GENZYME CORPORATION	23-Jan-27
MACI	CHILE	NATIONAL FILING	10	REGISTRATIO N	25-Mar-10	870757	14-Jul-09	879511	25-Mar-10	GENZYME CORPORATION	25-Mar-20
MACI	CHINA	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	COLOMBIA	NATIONAL FILING	05	REGISTRATIO N	26-Mar-10	9104536	24-Sep-09	399972	26-Mar-10	GENZYME CORPORATION	26-Mar-20
MACI	CROATIA	NATIONAL FILING	05	REGISTRATIO N	21-Oct-10	Z20091801A	11-Nov-09	Z20091801	21-Oct-10	GENZYME CORPORATION	11-Nov-19
MACI	DENMARK	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	ECUADOR	NATIONAL FILING	10	REGISTRATIO N	30-Jun-09	211175	27-Feb-09	1191666	30-Jun-09	GENZYME CORPORATION	30-Jun-19
MACI	EGYPT	NATIONAL FILING	10	FILED	23-Jun-09	232869	23-Jun-09			GENZYME CORPORATION	
MACI	EL SALVADOR	NATIONAL FILING	05;10	REGISTRATIO N	25-Oct-10	2009094536	10-Jul-09	2009094536	25-Oct-10	GENZYME CORPORATION	25-Oct-20
MACI	EUROPEAN UNION	COMMUNITY TRADEMARK	05	RENEWAL	30-Sep-13	3374881	30-Sep-03	3374881	21-Mar-05	GENZYME CORPORATION	30-Sep-23
MACI	FINLAND	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19

Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
MACI	FRANCE	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	GERMANY	NATIONAL FILING	10	RENEWAL	20-May-09	399292780	20-May-99	399292780	06-Aug-99	GENZYME CORPORATION	31-May-19
MACI	GREECE	NATIONAL FILING	10	RENEWAL	19-Nov-09	142368	19-Nov-99	142368	17-Jan-02	GENZYME CORPORATION	19-Nov-19
MACI	GUATEMALA	NATIONAL FILING	10	REGISTRATIO	17-Jan-10	2009-004730	22-Jul-09	167,181	17-Jan-10	GENZYME CORPORATION	16-Jan-20
MACI	HONDURAS	NATIONAL FILING	10	REGISTRATIO	22-Jan-10	18000-09	18-Jun-09	111344	22-Jan-10	GENZYME CORPORATION	22-Jan-20
MACI	HONG KONG	NATIONAL FILING	10	REGISTRATIO	12-Mar-09	301302470	12-Mar-09	301302470	12-Mar-09	GENZYME CORPORATION	11-Mar-19
MACI	INDIA	NATIONAL FILING	05	REGISTRATIO	12-Mar-09	1797486	19-Mar-09	1797486	19-Mar-09	GENZYME CORPORATION	19-Mar-19
MACI	INDONESIA	NATIONAL FILING	10	REGISTRATIO	05-Apr-11	D002009035417	02-Nov-09	IDM000300871	05-Apr-11	GENZYME CORPORATION	02-Nov-19
MACI	INTERNATIONAL REGISTRATION	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	IRELAND	NATIONAL FILING	10	RENEWAL	19-Nov-09	99/4053	19-Nov-99	216288	19-Nov-99	GENZYME CORPORATION	19-Nov-19
MACI	ISRAEL	NATIONAL FILING	10	REGISTRATIO	02-Apr-09	219819	02-Apr-09	219819	02-Apr-09	GENZYME CORPORATION	02-Apr-19
MACI	ITALY	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	JAPAN	NATIONAL FILING	05	REGISTRATIO	13-Nov-09	2009-020656	23-Mar-09	5280341	13-Nov-09	GENZYME CORPORATION	13-Nov-19
MACI	JORDAN	NATIONAL FILING	10	REGISTRATIO	09-Aug-09	108307	09-Aug-09	108307	09-Aug-09	GENZYME CORPORATION	09-Aug-19
MACI	KAZAKHSTAN	NATIONAL FILING	10	REGISTRATIO	16-Aug-10	47901	04-Sep-09	33610	16-Aug-10	GENZYME CORPORATION	04-Sep-19

Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
MACI	LEBANON	NATIONAL FILING	10	REGISTRATIO N	02-Sep-09	5957	24-Aug-09	123864	02-Sep-09	GENZYME CORPORATION	24-Aug-24
MACI	LIECHTENSTEIN	NATIONAL FILING	10	REGISTRATIO N	15-Jun-09	15262	18-Mar-09	15262	15-Jun-09	GENZYME CORPORATION	18-Mar-19
MACI	MALAYSIA	NATIONAL FILING	10	REGISTRATIO N	28-Mar-11	9012987	03-Aug-09	9012987	28-Mar-11	GENZYME CORPORATION	03-Aug-19
MACI	MEXICO	NATIONAL FILING	10	REGISTRATIO N	11-Aug-09	1020476	16-Jul-09	1114632	11-Aug-09	GENZYME CORPORATION	16-Jul-19
MACI	MONTENEGRO	NATIONAL FILING	10	REGISTRATIO N	26-Jul-12	Z-525/2009	25-Aug-09	03657	26-Jul-12	GENZYME CORPORATION	25-Aug-19
MACI	NEW ZEALAND	NATIONAL FILING	10	RENEWAL	19-Nov-09	603446	19-Nov-99	603446	08-Jun-00	GENZYME CORPORATION	19-Nov-19
MACI	NICARAGUA	NATIONAL FILING	10	REGISTRATIO N	04-Aug-10	2009-01883	14-Jul-09	2010091092LM	04-Aug-10	GENZYME CORPORATION	03-Aug-20
MACI	NORWAY	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	PANAMA	NATIONAL FILING	10	REGISTRATIO N	12-Mar-09	179705	12-Mar-09	179705	12-Mar-09	GENZYME CORPORATION	12-Mar-19
MACI	PARAGUAY	NATIONAL FILING	10	REGISTRATIO N	09-Nov-10	26862/2009	31-Jul-09	339917	09-Nov-10	GENZYME CORPORATION	09-Nov-20
MACI	PERU	NATIONAL FILING	05	REGISTRATIO N	14-Oct-09	391853	16-Jun-09	157607	14-Oct-09	GENZYME CORPORATION	14-Oct-19
MACI	PHILIPPINES	NATIONAL FILING	10	REGISTRATIO N	11-Mar-10	4-2009-500482	27-Jul-09	4-2009-500482	11-Mar-10	GENZYME CORPORATION	11-Mar-20
MACI	PORTUGAL	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	RUSSIAN FEDERATION	NATIONAL FILING	10	REGISTRATIO N	13-Apr-10	2009706206	26-Mar-09	406101	13-Apr-10	GENZYME CORPORATION	26-Mar-19
MACI	SAUDI ARABIA	NATIONAL FILING	10	REGISTRATIO N	01-Jul-13	170312	16-Jul-11	1462/69	01-Jul-13	GENZYME CORPORATION	16-Mar-21

Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
MACI	SERBIA (REPUBLIC OF)	NATIONAL FILING	10	REGISTRATIO N	29-Dec-09	Z-1207/2009	11-Aug-09	60279	29-Dec-09	GENZYME CORPORATION	11-Aug-19
MACI	SOUTH AFRICA	NATIONAL FILING	10	REGISTRATIO N	30-Mar-09	2009/05892	30-Mar-09	2009/05892	30-Mar-09	GENZYME CORPORATION	30-Mar-19
MACI	SPAIN	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	SRI LANKA	NATIONAL FILING	10	FILED	23-Nov-10	159292	23-Nov-10			GENZYME CORPORATION	
MACI	SWEDEN	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19
MACI	SWITZERLAND	NATIONAL FILING	05	REGISTRATIO N	02-Jul-09	53811/2009	06-Apr-09	588377	02-Jul-09	GENZYME CORPORATION	06-Apr-19
MACI	TADJIKISTAN	NATIONAL FILING	10	FILED	25-Nov-10	10010893	25-Nov-10			GENZYME CORPORATION	
MACI	TAIWAN	NATIONAL FILING	05	REGISTRATIO N	01-Feb-10	98008917	11-Mar-09	1395910	01-Feb-10	GENZYME CORPORATION	31-Jan-20
MACI	TRINIDAD AND TOBAGO	NATIONAL FILING	10	REGISTRATIO N	05-Feb-10	41222	30-Jul-09	41222	05-Feb-10	GENZYME CORPORATION	29-Jul-19
MACI	TURKEY	NATIONAL FILING	10	REGISTRATIO N	20-Nov-09	2009/08321	20-Feb-09	200908321	20-Nov-09	GENZYME CORPORATION	20-Feb-19
MACI	TURKMENISTAN	NATIONAL FILING	10	REGISTRATIO N	25-Feb-13	2010.0458	22-Nov-10	11666	25-Feb-13	GENZYME CORPORATION	22-Nov-20
MACI	UNITED ARAB EMIRATES	NATIONAL FILING	10	REGISTRATIO N	25-Sep-11	132592	06-Aug-09	152709	25-Sep-11	GENZYME CORPORATION	06-Aug-19
MACI	UNITED KINGDOM	INTERNATIONAL (PROTOCOL)	10	RENEWAL	20-Nov-09	725136	20-Nov-99	725136	20-Nov-99	GENZYME CORPORATION	20-Nov-19

Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
MACI	UNITED STATES OF AMERICA	NATIONAL FILING	05;10	NOTICE OF ALLOWANCE	15-Jan-13	85/512,439	10-Jan-12			GENZYME CORPORATION	Next date to provide the statement of use :15/07/2014
MACI	URUGUAY	NATIONAL FILING	10	REGISTRATION	11-Aug-11	403133	24-Jun-09	39920	11-Aug-11	GENZYME CORPORATION	11-Aug-21
MACI	VENEZUELA	NATIONAL FILING	10	PUBLICATION	12-Feb-10	11655/09	21-Jul-09			GENZYME CORPORATION	21-Jul-19
MACI	VIET NAM	NATIONAL FILING	10	REGISTRATION	09-Apr-11	4-2009-08469	04-May-09	161604	09-Apr-11	GENZYME CORPORATION	04-May-19
MACI LOGO VERSION 2013 (black and white)	UNITED STATES OF AMERICA	NATIONAL FILING	05;10	NOTICE OF ALLOWANCE	02-Jul-13	85/843,354	07-Feb-13			GENZYME CORPORATION	Next date to provide the statement of use :02/07/2014
MACI LOGO VERSION 2013 (black and white)	AUSTRALIA	NATIONAL FILING	05;10	REGISTRATION	13-Mar-13	1546004	13-Mar-13	1546004	13-Mar-13	GENZYME CORPORATION	13-Mar-23
MACI LOGO VERSION 2013 (black and white)	BRAZIL	NATIONAL FILING	05	PUBLICATION	20-Aug-13	840453019	15-Mar-13			GENZYME CORPORATION	



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MACI LOGO VERSION 2013 (black and white)	BRAZIL	NATIONAL FILING	10	PUBLICATION	20-Aug-13	840453051	15-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	CHINA	NATIONAL FILING	05	FILED	17-Apr-13	12439184	17-Apr-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	CHINA	NATIONAL FILING	10	FILED	17-Apr-13	12439183	17-Apr-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	COLOMBIA	NATIONAL FILING	05	PUBLICATION	15-Oct-13	13107642	29-Apr-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	COLOMBIA	NATIONAL FILING	10	PUBLICATION	15-Oct-13	13107676	29-Apr-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	EUROPEAN UNION	COMMUNITY TRADEMARK	05;10	REGISTRATION	06-Sep-13	011654671	28-Feb-13	011654671	06-Sep-13	GENZYME CORPORATION	28-Feb-23
MACI LOGO VERSION 2013 (black and white)	HONG KONG	NATIONAL FILING	05;10	REGISTRATION	13-Mar-13	302547577	13-Mar-13	302547577	13-Mar-13	GENZYME CORPORATION	12-Mar-23
MACI LOGO VERSION 2013 (black and white)	KUWAIT	NATIONAL FILING	05	FILED	21-Mar-13	138372	21-Mar-13			GENZYME CORPORATION	

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MACI LOGO VERSION 2013 (black and white)	KUWAIT	NATIONAL FILING	10	FILED	21-Mar-13	138373	21-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	MALAYSIA	NATIONAL FILING	05	PUBLICATION	02-Jan-14	2013004053	18-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	MALAYSIA	NATIONAL FILING	10	PUBLICATION	02-Jan-14	2013004052	18-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	MEXICO	NATIONAL FILING	05	REGISTRATION	12-Aug-13	1,356,678	12-Mar-13	1389353	12-Aug-13	GENZYME CORPORATION	12-Mar-23
MACI LOGO VERSION 2013 (black and white)	MEXICO	NATIONAL FILING	10	REGISTRATION	26-Jun-13	1,356,680	12-Mar-13	1378088	26-Jun-13	GENZYME CORPORATION	12-Mar-23
MACI LOGO VERSION 2013 (black and white)	NEW ZEALAND	NATIONAL FILING	05;10	PUBLICATION	31-May-13	976797	06-May-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	NORWAY	NATIONAL FILING	05;10	REGISTRATION	12-Jun-13	201303362	12-Mar-13	271052	12-Jun-13	GENZYME CORPORATION	12-Mar-23
MACI LOGO VERSION 2013 (black and white)	PHILIPPINES	NATIONAL FILING	05;10	REGISTRATION	27-Sep-13	4-2013-002833	14-Mar-13	4-2013-002833	27-Sep-13	GENZYME CORPORATION	27-Sep-23

Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
MACI LOGO VERSION 2013 (black and white)	QATAR	NATIONAL FILING	05	FILED	06-May-13	81457	06-May-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	QATAR	NATIONAL FILING	10	FILED	06-May-13	81458	06-May-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	SAUDI ARABIA	NATIONAL FILING	05	PUBLICATION	13-Nov-13	194133	17-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	SAUDI ARABIA	NATIONAL FILING	10	PUBLICATION	18-Sep-13	194134	17-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	SINGAPORE	NATIONAL FILING	05;10	OFFICE ACTION	14-Nov-13	T1304157 J	14-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	SWITZERLAND	NATIONAL FILING	05;10	REGISTRATION	13-Mar-13	53141/2013	13-Mar-13	644247	13-Mar-13	GENZYME CORPORATION	13-Mar-23
MACI LOGO VERSION 2013 (black and white)	THAILAND	NATIONAL FILING	05	FILED	25-Apr-13	890031	25-Apr-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	THAILAND	NATIONAL FILING	10	FILED	25-Apr-13	890032	25-Apr-13			GENZYME CORPORATION	

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MACI LOGO VERSION 2013 (black and white)	TURKEY	NATIONAL FILING	05;10	FILED	29-Mar-13	2013/29447	29-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	UNITED ARAB EMIRATES	NATIONAL FILING	05	FILED	18-Mar-13	188559	18-Mar-13			GENZYME CORPORATION	
MACI LOGO VERSION 2013 (black and white)	UNITED ARAB EMIRATES	NATIONAL FILING	10	FILED	18-Mar-13	188560	18-Mar-13			GENZYME CORPORATION	
VIP ASSAYS	AUSTRALIA	NATIONAL FILING	44	REGISTRATIO N	09-Feb-09	1284141	09-Feb-09	1284141	09-Feb-09	GENZYME CORPORATION	09-Feb-19
VIP ASSAYS	EUROPEAN UNION	COMMUNITY TRADEMARK	44	REGISTRATIO N	20-Sep-10	8982467	25-Mar-10	8982647	20-Sep-10	GENZYME CORPORATION	25-Mar-20
VIP ASSAYS	UNITED STATES OF AMERICA	NATIONAL FILING	44	REGISTRATIO N	26-Oct-10	77/407,416	27-Feb-08	3,867,924	26-Oct-10	GENZYME CORPORATION	26-Oct-20
EPICEL	ALBANIA	NATIONAL FILING	05;42	RENEWAL	14-Aug-11	AL-T-01-00544	14-Aug-01	9041	28-May-02	GENZYME CORPORATION	14-Aug-21
EPICEL	MOLDOVA	NATIONAL FILING	05;42	RENEWAL	15-Aug-11	10525	15-Aug-01	8920	07-Aug-02	GENZYME CORPORATION	15-Aug-21
EPICEL	SLOVAKIA	NATIONAL FILING	05	RENEWAL	16-Aug-11	POZ 0012-2002	16-Aug-01	202578	15-Apr-03	GENZYME CORPORATION	16-Aug-21
EPICEL	SLOVAKIA	NATIONAL FILING	05;42	RENEWAL	16-Aug-11	POZ 2469-2001	16-Aug-01	200857	11-Nov-02	GENZYME CORPORATION	16-Aug-21
EPICEL	SLOVENIA	NATIONAL FILING	05;42	RENEWAL	17-Aug-11	Z-200171313	17-Aug-01	200171313	24-Apr-02	GENZYME CORPORATION	17-Aug-21

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EPICEL	TURKEY	NATIONAL FILING	05;42	RENEWAL	20-Aug-11	2001/16523	20-Aug-01	200116523	20-Aug-01	GENZYME CORPORATION	20-Aug-21
EPICEL	UNITED STATES OF AMERICA	NATIONAL FILING	05	RENEWAL	06-Jun-10	75/374,462	14-Oct-97	2,355,743	06-Jun-00	GENZYME CORPORATION	06-Jun-20
EPICEL	UNITED STATES OF AMERICA	NATIONAL FILING	05;42	RENEWAL	18-Jul-10	75/518,427	14-Jul-98	2,369,303	18-Jul-00	GENZYME CORPORATION	18-Jul-20
EPICEL ASAPROG RAM	ALBANIA	NATIONAL FILING	42	RENEWAL	14-Aug-11	AL-T-01-00542	14-Aug-01	9030	28-May-02	GENZYME CORPORATION	14-Aug-21
EPICEL ASAPROG RAM	BULGARIA	NATIONAL FILING	42	RENEWAL	16-Aug-11	56034	16-Aug-01	44098	25-Feb-03	GENZYME CORPORATION	16-Aug-21
EPICEL ASAPROG RAM	EUROPEAN UNION	COMMUNITY TRADEMARK	42	RENEWAL	27-Feb-11	2120780	27-Feb-01	2120780	06-Feb-04	GENZYME CORPORATION	27-Feb-21
EPICEL ASAPROG RAM	HUNGARY	NATIONAL FILING	05;42	RENEWAL	17-Aug-11	M0104495	17-Aug-01	171783	22-Aug-02	GENZYME CORPORATION	17-Aug-21
EPICEL ASAPROG RAM	LITHUANIA	NATIONAL FILING	42	RENEWAL	20-Aug-11	20011597	20-Aug-01	45353	13-May-02	GENZYME CORPORATION	20-Aug-21
EPICEL ASAPROG RAM	MOLDOVA	NATIONAL FILING	05;42	RENEWAL	15-Aug-11	10527	15-Aug-01	8922	07-Aug-02	GENZYME CORPORATION	15-Aug-21
EPICEL ASAPROG RAM	MONTENEGRO	NATIONAL FILING	44	RENEWAL	15-Aug-11	Z-2001-1288	15-Aug-01	47250	25-Jun-04	GENZYME CORPORATION	15-Aug-21
EPICEL ASAPROG RAM	NORWAY	NATIONAL FILING	42	RENEWAL	13-Mar-13	200109931	16-Aug-01	218125	13-Mar-03	GENZYME CORPORATION	13-Mar-23
EPICEL ASAPROG RAM	POLAND	NATIONAL FILING	42	RENEWAL	20-Aug-11	239801	20-Aug-01	159399	15-Jul-05	GENZYME CORPORATION	20-Aug-21
EPICEL ASAPROG RAM	RUSSIAN FEDERATION	NATIONAL FILING	05;42	RENEWAL	16-Aug-11	2001724863	16-Aug-01	266324	31-Mar-04	GENZYME CORPORATION	16-Aug-21

Trademark	Country	Filing Type	Classes	Current Status	Current Status Date	Filing Number	Filing Date	Registration Number	Registration Date	Legal Owner	Next Renewal Due Date
EPICEL ASAPROG RAM	SERBIA (REPUBLIC OF)	NATIONAL FILING	44	RENEWAL	15-Aug-11	Z-1288/01	15-Aug-01	47250	25-Jun-04	GENZYME CORPORATION	15-Aug-21
EPICEL ASAPROG RAM	SLOVAKIA	NATIONAL FILING	05	RENEWAL	04-Jan-12	37561	04-Jan-02	202577	15-Apr-03	GENZYME CORPORATION	04-Jan-22
EPICEL ASAPROG RAM	SLOVAKIA	NATIONAL FILING	05;42	RENEWAL	16-Aug-11	2470-2001	16-Aug-01	200858	11-Nov-02	GENZYME CORPORATION	16-Aug-21
EPICEL ASAPROG RAM	SLOVENIA	NATIONAL FILING	05;42	RENEWAL	17-Aug-11	Z-200171314	17-Aug-01	200171314	24-Apr-02	GENZYME CORPORATION	17-Aug-21
EPICEL ASAPROG RAM	SWITZERLAND	NATIONAL FILING	01;05;42;44	RENEWAL	15-Aug-11	08022/2001	15-Aug-01	497316	04-Apr-02	GENZYME CORPORATION	15-Aug-21
EPICEL ASAPROG RAM	TURKEY	NATIONAL FILING	05;42	RENEWAL	20-Aug-11	2001/16519	20-Aug-01	2001/16519	20-Aug-01	GENZYME CORPORATION	20-Aug-21
EPICEL ASAPROG RAM	UKRAINE	NATIONAL FILING	05;42	RENEWAL	16-Aug-11	2001085138	16-Aug-01	34835	15-Sep-03	GENZYME CORPORATION	16-Aug-21