002.1087151.1

In consideration of the sum of one dollar and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, I, the undersigned, whose name and full post address are set out below:

Name Address

Petr PANCOSKA 901 Hinman Avenue #2C Evanston, IL 60202

U.S.A.

do hereby sell, assign and transfer to **TM BIOSCIENCE CORPORATION**, hereinafter called the assignee, whose full post office address is 439 University Avenue, Suite 1710, Toronto, Ontario M5G 1Y8 Canada, and to the assignee's successors, assigns, nominees or other legal representatives, my entire right, title, interest, property and benefit for the United States of America, Canada and all other countries, in and to my invention relating to

### POLYNUCLEOTIDES FOR USE AS TAGS AND TAG COMPLEMENTS, MANUFACTURE AND USE THEREOF

including subject matter which is fully set forth and described in international patent application No. PCT/CA 02/00087 filed on January 25, 2002 under the same title, and naming me as an inventor, and United States Provisional Patent Application Nos. 60/263,710 and 60/303,799 filed on January 25, 2001 and July 10, 2001, respectively;

together with my entire right, title, interest, property and benefit for the United States of America, Canada and all other countries, including Albania, Algeria, Antigua and Barbuda, Armenia, Australia, Austria, Azerbaijan, Barbados, Belarus, Belgium, Belize, Benin, Bosnia and Herzegovina, Brazil, Bulgaria, Burkina Faso, Cameroon, Central African Republic, Chad, China, Colombia, Congo, Costa Rica, Côte d'Ivoire, Croatia, Cuba, Cyprus, Czech Republic, Democratic People's Republic of Korea, Denmark, Dominica, Ecuador, Equatorial Guinea, Estonia, Finland, France, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Grenada, Guinea, Guinea-Bissau, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Japan, Kazakhstan, Kenya, Kyrgyzstan, Latvia, Lesotho, Liberia, Liechtenstein, Lithuania, Luxembourg, Madagascar, Malawi, Mali, Mauritania, Mexico, Monaco, Mongolia, Morocco, Mozambique Netherlands, New Zealand, Niger,

Page 1 of 2

Norway, Oman, Philippines, Poland, Portugal, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Saint Lucia, Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sudan, Swaziland, Sweden, Switzerland, Tajikistan, The former Yugoslav Republic of Macedonia, Togo, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United Republic of Tanzania, Uzbekistan, Viet Nam, Yuqoslavia, Zambia, Zimbabwe, in and to the aforementioned applications, any foreign applications corresponding thereto and any Letters Patent and Registrations which may be granted for the invention from such applications, including all divisions, continuations, continuations-in-part, re-examinations, reissues and extensions, and any rights of priority resulting from the filing of the above-identified applications under international conventions, treaties or otherwise, the same to be held and enjoyed as fully and exclusively as they would have been by me had this sale, assignment and transfer not been made;

And I hereby covenant and agree to do all such things and to execute without further consideration such further assurances, applications and other instruments as may reasonably be required by the assignee to obtain Letters Patent and Registrations in the United States of America, Canada and all other countries, for the invention, and vest the same in the Assignee;

Sign	ed at EVANSTON
this 3rd	day of Dacamber, 2002.
	Idelletta
	(Signature of Petr PANCOSKA)
	STATEMENT OF WITNESS
I, _	CARMEN TORRES BANK OWNSMAfull post office address  (Name of Witness) Eventon Christian
is	Lyanston — Chington
	(Address of Witness) 60204
state that	I was personally present hand ava see Petr Pancoska who is

personally known to me to be the person named in the above

assignment, duly execute the same on the date set forth above.

"OFFICIAL SEAL"
Carmen Torres
Notery Public, State of Illinois
Cook County
My Commission Expires 07-28-2006

Camen Tous
(Signature of Witness)

In consideration of the sum of one dollar and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, I, the undersigned, whose name and full post address are set out below:

Name Address

Richard S. BULLOCK 3500 North Lake Shore Drive Chicago, IL 60657

U.S.A.

do hereby sell, assign and transfer to **TM BIOSCIENCE CORPORATION**, hereinafter called the assignee, whose full post office address is 439 University Avenue, Suite 1710, Toronto, Ontario M5G 1Y8 Canada, and to the assignee's successors, assigns, nominees or other legal representatives, my entire right, title, interest, property and benefit for the United States of America, Canada and all other countries, in and to my invention relating to

## POLYNUCLEOTIDES FOR USE AS TAGS AND TAG COMPLEMENTS, MANUFACTURE AND USE THEREOF

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together with my entire right, title, interest, property and benefit for the United States of America, Canada and all other countries, including Albania, Algeria, Antigua and Barbuda, Armenia, Australia, Austria, Azerbaijan, Barbados, Belarus, Belgium, Belize, Bosnia and Herzegovina, Brazil, Bulgaria, Burkina Faso, Cameroon, Central African Republic, Chad, China, Colombia, Congo, Costa Rica, Côte d'Ivoire, Croatia, Cuba, Cyprus, Czech Republic, Democratic People's Republic of Korea, Denmark, Dominica, Ecuador, Equatorial Guinea, Estonia, Finland, France, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Grenada, Guinea, Guinea-Bissau, Hungary, Iceland. India, Indonesia, Ireland, Israel, Italy, Japan, Kazakhstan, Kenya, Kyrgyzstan, Latvia, Lesotho, Liberia, Liechtenstein, Lithuania, Luxembourg, Madagascar, Malawi, Mali, Mauritania, Mexico, Monaco, Mongolia, Morocco, Mozambique Netherlands, New Zealand, Niger,

Page 1 of 2

Norway, Oman, Philippines, Poland, Portugal, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Saint Lucia, Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sudan, Swaziland, Sweden, Switzerland, Tajikistan, The former Yugoslav Republic of Macedonia, Togo, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United Republic of Tanzania, Uzbekistan, Viet Nam, Yugoslavia, Zambia, Zimbabwe, in and to the aforementioned applications, any foreign applications corresponding thereto and any Letters Patent and Registrations which may be granted for the from such applications, including all invention divisions. continuations, continuations-in-part, re-examinations, reissues and extensions, and any rights of priority resulting from the filing of the above-identified applications under international conventions, treaties or otherwise, the same to be held and enjoyed as fully and exclusively as they would have been by me had this sale, assignment and transfer not been made;

And I hereby covenant and agree to do all such things and to execute without further consideration such further assurances, applications and other instruments as may reasonably be required by the assignee to obtain Letters Patent and Registrations in the United States of America, Canada and all other countries, for the invention, and vest the same in the Assignee;

Signed at _	CHICAGO, I.	LLINOIS,	U.S.A.
this 2/18 day of	Florwary	, 200%3	
		Richar	d S. Bullook
		(Signature of	Richard S. BULLOCK)

I, PALPH E, BROWN, whose full post office address is 404 W. WELLINGTON, CHICAGO, 160657, (Address of Witness)

STATEMENT OF WITNESS

state that I was personally present and did see Richard S. Bullock who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.

(Signature of Witness)

#### **ASSIGNMENT AND AGREEMENT**

WHEREAS, Petr PANCOSKA of 901 Hinman Avenue #2C, Evanston, IL 30202; Vit JANOTA of Ovenecka 27, Praha 7, Czech Republic 170 00, Albert S. BENIGHT of 4901 Southeast 33<sup>rd</sup> Avenue, Portland, OR 97202; Richard S. BULLOCK of 3500 North Lake Shore Drive, Chicago, IL 60657; Peter V. RICCELLI of 16830 Richards Drive, Tinley Park, IL 60477; Daniel KOBLER of 66 Foxley Street, Toronto, Ontario, Canada M4Y 2P8, and Daniel FIELDHOUSE of 7 Chaplin Court, Bolton, Ontario, Canada L7E 5Y1, (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled POLYNUCLEOTIDES FOR USE AS TAGS AND TAG COMPLEMENTS, MANUFACTURE AND USE THEREOF (Atty. Dkt. No. 079997-0130) for which an application for United States Letters Patent was filed on July 25, 2003, as U.S. Application No. 10/470,107, which is the national phase of international application no. PCT/CA02/00087 and

WHEREAS, TM Bioscience Corporation, a corporation duly organized and existing under the laws of Canada and having its principal place of business at 439 University Avenue, Suite 900, Toronto, Ontario, Canada M5G 1Y8, (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such

Page 1 of 5

proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed	this	day of		, 20	•				
					P	FTR PA	ANCOSK	Α	
State of		)			•	_ , , , ,			
		 )ss.							
County of		)							
On this PETR PANCOSKA, wh instrument, and he/sh voluntary act for the u	no is personally e acknowledge	known to me d that he/she s	to be the s signed, sea	ame persoi	n whose	name is s	subscribed t		
							Notary Pu	ublic	
(Seal)					Му	Commiss	ion Expires:		

· ·	
Executed this // d	ay of NOVEMBER, 2003.
	V. Januara
	✓IT JANOTA
State of)	s.
County of)	
VIT JANOTA, who is personally known	, 20, before me, a notary public in and for said county, appeared to me to be the same person whose name is subscribed to the foregoing nat he/she signed, sealed, and delivered the said instrument as his/her free and therein set forth.
	Notary Public
(Seal)	My Commission Expires:
Executed this d	ay of, 20
	ALBERT S. BENIGHT
State of) Scounty of)	s.
ALBERT S. BENIGHT, who is personally	, 20, before me, a notary public in and for said county, appeared known to me to be the same person whose name is subscribed to the foregoing nat he/she signed, sealed, and delivered the said instrument as his/her free and therein set forth.
	Notary Public
	Notally Fublic
(Seal)	My Commission Expires:

Page 3 of 5

Executed this	day of	, 20
State of	,	RICHARD S. BULLOCK
State of	)ss.	
On this day of _ RICHARD S. BULLOCK, who is p foregoing instrument, and he/she free and voluntary act for the use	acknowledged that he	O, before me, a notary public in and for said county, appeared to be the same person whose name is subscribed to the e/she signed, sealed, and delivered the said instrument as his/her n set forth.
		Notary Public
(Seal)		My Commission Expires:
Executed this	day of	, 20
State of	,	PETER V. RICCELLI
State ofCounty of	) )ss. )	
PETER V. RICCELLI, who is person	onally known to me to edged that he/she sign	O, before me, a notary public in and for said county, appeared be the same person whose name is subscribed to the foregoing ed, sealed, and delivered the said instrument as his/her free and h.
		Notary Public
(Seal)		My Commission Expires:

Page 4 of 5

Executed this	day of	, 20
State of	) }ss.	DANIEL KOBLER
On this day of DANIEL KOBLER, who is personal instrument, and he/she acknowled voluntary act for the uses and put	ally known to me to	, 20, before me, a notary public in and for said county, appeared be the same person whose name is subscribed to the foregoing gned, sealed, and delivered the said instrument as his/her free and forth.
(Seal)		Notary Public  My Commission Expires:
	day of	, 20
State of	)	DANIEL FIELDHOUSE
DANIEL FIELDHOUSE, who is pe	ersonally known to r	, 20, before me, a notary public in and for said county, appeared ne to be the same person whose name is subscribed to the foregoing
instrument, and he/she acknowled voluntary act for the uses and per-		igned, sealed, and delivered the said instrument as his/her free and forth.
		Notary Public  My Commission Expires:
(Seal)		,

In consideration of the sum of one dollar and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, I, the undersigned, whose name and full post address are set out below:

Name Address

Albert S. BENIGHT 1630 Valley View Drive Schaumburg, IL 60193 U.S.A.

do hereby sell, assign and transfer to TM BIOSCIENCE CORPORATION, hereinafter called the assignee, whose full post office address is 439 University Avenue, Suite 1710, Toronto, Ontario M5G 1Y8 Canada, and to the assignee's successors, assigns, nominees or other legal representatives, my entire right, title, interest, property and benefit for the United States of America, Canada and all other countries, in and to my invention relating to

### POLYNUCLEOTIDES FOR USE AS TAGS AND TAG COMPLEMENTS, MANUFACTURE AND USE THEREOF

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Norway, Oman, Philippines, Poland, Portugal, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Saint Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sudan, Swaziland, Sweden, Switzerland, Tajikistan, The former Yugoslav Republic of Macedonia, Togo, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United Republic of Tanzania, Uzbekistan, Viet Nam, Yugoslavia, Zambia, Zimbabwe, in and to the aforementioned applications, any foreign applications corresponding thereto and any Letters Patent and Registrations which may be granted for the from such invention applications, including all divisions, continuations, continuations-in-part, re-examinations, reissues and extensions, and any rights of priority resulting from the filing of the above-identified applications under international conventions, treaties or otherwise, the same to be held and enjoyed as fully and exclusively as they would have been by me had this sale, assignment and transfer not been made;

And I hereby covenant and agree to do all such things and to execute without further consideration such further assurances, applications and other instruments as may reasonably be required by the assignee to obtain Letters Patent and Registrations in the United States of America, Canada and all other countries, for the invention, and vest the same in the Assignee;

	Sign	ed at _	Chiceso, 1	Minis,
this_	22	day of	octoher	, 2002.
				and of Bright
				(Signature of Albert S.) BENIGHT)
		1 - 1	STATEMENT	OF WITNESS
	Ι, ,	Heche	f Witness)	, whose full post office address
is	812.	ju- ja	nbuer Chica.	18 IZ- 6060.7
			(Address of A	itness) sent and did see Albert S. Benigh:
who :	is pe	ersonall	y known to me t	be the person named in the above

THEODORE L DURHAM MOTARY PUBLIC, STATE OF ILLMONS MY COMMISSION EXPRESS 10/12/05

In consideration of the sum of one dollar and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, I, the undersigned, whose name and full post address are set out below:

Name Address

Peter V. RICCELLI 16830 Richards Drive Tinley Park, IL 60477 U.S.A.

do hereby sell, assign and transfer to TM BIOSCIENCE CORPORATION, hereinafter called the assignee, whose full post office address is 439 University Avenue, Suite 1710, Toronto, Ontario M5G 1Y8 Canada, and to the assignee's successors, assigns, nominees or other legal representatives, my entire right, title, interest, property and benefit for the United States of America, Canada and all other countries, in and to my invention relating to

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Page 1 of 2

Norway, Oman, Philippines, Poland, Portugal, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sudan, Swaziland, Sweden, Switzerland, Tajikistan, The former Yuqoslav Republic of Macedonia, Togo, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United Republic of Tanzania, Uzbekistan, Viet Nam, Yugoslavia, Zambia, Zimbabwe, in and to the aforementioned applications, any foreign applications corresponding thereto and any Letters Patent and Registrations which may be granted for the invention from such applications, including all divisions, continuations, continuations-in-part, re-examinations, reissues and extensions, and any rights of priority resulting from the filing of the above-identified applications under international conventions, treaties or otherwise, the same to be held and enjoyed as fully and exclusively as they would have been by me had this sale, assignment and transfer not been made;

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11

signed at
this 22 day of October, 2002.
Teter V Mucell
(Signature of Peter V. RICCELLI)
STATEMENT OF WITNESS
I, The dire L. Darker , whose full post office address (Name of Witness)
is 812 N. Kanburge Chicago, Felinis
(Address of Witness)
state that I was personally present and did see Peter V. Riccell

state that I was personally present and did see Peter V. Riccelli who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.

OFFICIAL SEAL
THEODORE L DURHAM
NOTARY PUBLIC STATE OF BLINON
WY COMMISSION EXPRES TO 1208

(Signature of Witness)

In consideration of the sum of one dollar and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, I, the undersigned, whose name and full post address are set out below:

Name Address

Daniel KOBLER 1102-33 Wood Street

Toronto, Ontario M4Y 2P8

Canada

do hereby sell, assign and transfer to **TM BIOSCIENCE CORPORATION**, hereinafter called the assignee, whose full post office address is 439 University Avenue, Suite 1710, Toronto, Ontario M5G 1Y8 Canada, and to the assignee's successors, assigns, nominees or other legal representatives, my entire right, title, interest, property and benefit for the United States of America, Canada and all other countries, in and to my invention relating to

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Page 1 of 2

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3	signed at	TOTANTO		
this_	$12$ day of _	March	, 2002.	
			(Signature of Daniel KOBLER)	
		STATEME	INT OF WITNESS	
:	I, Sheer	so kenned	, whose full post office addre	288

T

is (Address of Witness)

(Address of Witness)

state that I was personally present and did see Daniel Kobler who is

state that I was personally present and did see Daniel Kobler who is personally known to me to be the person named in the above assignment, duly execute the same on the date set forth above.

(Signature of Witness)

Page 2 of 2

In consideration of the sum of one dollar and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, I, the undersigned, whose name and full post address are set out below:

Name Address

Daniel FIELDHOUSE 7 Chaplin Court

Bolton, Ontario L7E 5Y1

Canada

do hereby sell, assign and transfer to TM BIOSCIENCE CORPORATION, hereinafter called the assignee, whose full post office address is 439 University Avenue, Suite 1710, Toronto, Ontario M5G 1Y8 Canada, and to the assignee's successors, assigns, nominees or other legal representatives, my entire right, title, interest, property and benefit for the United States of America, Canada and all other countries, in and to my invention relating to

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And I hereby covenant and agree to do all such things and to execute without further consideration such further assurances, applications and other instruments as may reasonably be required by the assignee to obtain Letters Patent and Registrations in the United States of America, Canada and all other countries, for the invention, and vest the same in the Assignee;

Signed at TORONTO,	ONTARIO	(ANADA	<i>,</i>
this 8 <sup>7H</sup> day of MARCH		2002.	
		ture of Daniel	Mouse
	(Signa	ture of Daniel	FIELDHOUSE)

STATEMENT OF WITNESS

# I, trank Merante, whose full post office address (Name of Witness) is 122 found of Witness) (Address of Witness) state that I was personally present and did see Daniel Fieldhouse who is personally known to me to be the person named in the above

assignment, duly execute the same on the date set forth above.

(Signature of Witness)