FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

**OMB APPROVAL** OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

	nd Address of Oliver	of Reporting Person <sup>®</sup>							NC.				(Ch	Relationship leck all appli X Directo	cable)	g Perso	10% Ow	
(Last) (First) (Middle) C/O METABOLIX, INC. 21 ERIE STREET					3. Date of Earliest Transaction (Month/Day/Year) 10/01/2007								X Officer (give title Other (specify below)  VP Research, CSO					
(Street) CAMBRIDGE MA 02139				-   4. -	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person					
(City)	(;	State)	(Zip)	n Dori				tion An	i	Die		of or Do	noficial!	ly Own of				
1. Title of Security (Instr. 3)  2. Transa Date (Month/D				action	2 ar) if	2A. Deemed Execution Date,		3.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 au		d (A) or	5. Amount of		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D)	Price	Transac (Instr. 3	tion(s)			Instr. 4)
Common Stock 12/06,				5/2007	2007			M <sup>(1)</sup>		20,000	A	\$3.303	340,762			D		
Common	Stock			12/06	5/2007	7			S <sup>(1)</sup>		20,000	D	\$21.08	(3) 320	320,762 D			
Common	Stock													16	16,346			George Stormont Trust <sup>(2)</sup>
			Table II								osed of, convertil			Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transaction Code (Instr. 8)		n of		6. Date Exercisabl Expiration Date (Month/Day/Year)		te	of Securities		8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	e le s liy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amount or Number of Shares					
Stock Option (Right to	\$3.3036	12/06/2007			M <sup>(1)</sup>			20,000	(4)		03/08/2010	Common Stock	20,000	\$0	51,92	2	D	

## **Explanation of Responses:**

- 1. Transaction effected pursuant to a rule 10b5-1 trading plan established by the reporting person on 11/28/07.
- 2. Held by a trust for the benefit of certain family members. The reporting person disclaims beneficial ownership except to the extent of his pecuniary interest, if any.
- 3. Price reflected is the average sale price for the shares sold. Please see attached Exhibit 99 for a complete list of all sales by sale price.
- 4. This stock option is fully vested and exercisable.

/s/ Sarah P. Cecil, attorney-in-

12/10/2007

fact

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

Exhibit 99 to Form 4 filed on behalf of Oliver P. Peoples for Transaction Date 12/6/07

PRICE QUANTITY

\$20.80 200
\$20.82 300

\$20.82 300 \$20.83 500 \$20.85 962 \$20.86 538 \$20.87 700 \$20.88 368 \$20.89 319 \$20.90 300 \$20.91 71 \$20.92 800 \$20.93 213 \$20.94 229 \$20.95 100 \$20.95 300

\$20.96 200 \$20.98 200 \$20.99 1,700 \$21.00 500 \$21.01 200

\$21.02 500 \$21.03 400

\$21.04 200 \$21.05 100

\$21.07 83 \$21.08 500

\$21.12 100 \$21.14 17

\$21.15 600 \$21.17 917

\$21.18 109 \$21.20 1,000

\$21.20 1,000 \$21.20 901

\$21.21 800 \$21.22 399

\$21.22 399 \$21.23 459

\$21.24 815

\$21.25 427 \$21.26 73

\$21.29 300

\$21.30 200 \$21.32 100

\$21.33 500 \$21.35 200

\$21.36 800 \$21.37 600

\$21.37 600

\$24.26 400

\$24.27 100

\$24.28 100 \$24.30 100

\$23.44 100

\$23.45 321 \$23.46 200

\$23.67 200 \$23.69 200

\$23.74 300 \$23.85 100

\$23.86 100

\$23.88 200 \$23.93 100

\$23.94 279 \$23.95 100

\$23.97 300 \$23.99 300

\$24.00 100 \$24.03 100

\$24.24 200

\$24.25 100 \$24.27 193

\$24.28 1,200

\$24.33 300 \$24.34 200

\$24.36 100 \$24.39 100

\$24.41 207 \$24.42 400