



**Table II - Derivative Securities Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Warrant (right to buy)	(3)	11/04/2008	Common Stock	13,331	0.12	D	
Series 04 Preferred Stock	(2)	(2)	Common Stock	11,770	(2)	I	By Isles Capital, L.P. <sup>(1)</sup>
Series 05 Preferred Stock	(2)	(2)	Common Stock	7,000	(2)	I	By Isles Capital, L.P. <sup>(1)</sup>
Series 04 Preferred Stock	(2)	(2)	Common Stock	165,560	(2)	I	By Metabolix Preferred 2005 GRAT <sup>(1)</sup>
Series 04 Preferred Stock	(2)	(2)	Common Stock	52,366	(2)	I	By Metabolix 2006 GRAT I <sup>(1)</sup>
Series 04 Preferred Stock	(2)	(2)	Common Stock	160,000	(2)	I	By Metabolix 2006 GRAT II

**Explanation of Responses:**

- The reporting person disclaims beneficial ownership of such securities except to the extent of his pecuniary interest, if any.
- The Issuer's preferred stock will automatically be converted into Common Stock on a .8173-for-1 basis upon the closing of the Issuer's initial public offering.
- These warrants are fully vested and exercisable.

**Remarks:**

Exhibit 24 - Power of Attorney

/s/ Sarah P. Cecil, attorney-in-fact      11/09/2006

\*\* 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 5 (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.**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that the undersigned hereby constitutes and appoints James J. Barber, Thomas G. Auchincloss, Jr., Aninda Katragadda, Sarah Cecil, Christopher J. Denn, John M. Mutkoski, and Robert E. Puopolo and any one of them acting singly, the true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for the undersigned and in the undersigned's name, place and stead, in any and all capacities (until revoked in writing) to execute for and on behalf of the undersigned, in any and all of the undersigned's capacities, any and all statements on Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by Metabolix, Inc. (the "Company") in accordance with Sections 16(a) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and any and all regulations promulgated thereunder, and to file the same, with all exhibits thereto, and any other documents in connection therewith, with the Securities and Exchange Commission, and with any other entity when and if such is mandated by the Exchange Act or by the By-laws of the National Association of Securities Dealers, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary fully to all intents and purposes as the undersigned might or could do in person thereby ratifying and confirming all that said attorneys-in-fact and agents, or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, this Power of Attorney has been signed as of October 23, 2006.

Signature:        /s/ Edward M. Giles

Name: Edward M. Giles