FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person [*] SCHWARTZBERG DEBBIE	2. Date of Event Requiring Statement (Month/Day/Year) 01/20/2010	3. Issuer Name **and** Ticker or Trading Symbol LIXTE BIOTECHNOLOGY HOLDINGS, INC. [LIXT.OB]	
(Last) (First) (Middle) 269 SOUTH BEVERLY DRIVE, NO. 1315		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) _____ Director __X__ 10% Owner _____ Officer (give title _____ Other (specify below) below)	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street) BEVERLY HILLS, CA 90212			6. 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)			

Table I - Non-Derivative Securities Beneficially Owned

1.Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	1,504,845	D	
Common Stock	684,000	I	by the Julie Schwartzberg Trust [1]
Common Stock	650,000	I	by the David N. Sterling Trust [2]
Common Stock	994,700	I	by spouse

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

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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 of Derivative Security: 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	12/31/2009	12/31/2012	Common Stock	1,000,000	$ 0.5	D	
Warrant	12/31/2009	12/31/2012	Common Stock	1,000,000	$ 0.75	D	
Warrant	12/31/2009	12/31/2012	Common Stock	500,000	$ 0.5	I	by spouse
Warrant	12/31/2009	12/31/2012	Common Stock	500,000	$ 0.75	I	by spouse
Warrant	12/31/2009	12/31/2012	Common Stock	500,000	$ 0.5	I	by Julie Schwartzberg Trust [1]
Warrant	12/31/2009	12/31/2012	Common Sstock	500,000	$ 0.75	I	by Julie Schwartzberg Trust [1]
Warrant	12/31/2009	12/31/2012	Common Stock	500,000	$ 0.5	I	by David N. Sterling Trust [2]
Warrant	12/31/2009	12/31/2012	Common Stock	500,000	$ 0.75	I	by David N. Sterling Trust [2]
Option	09/12/2007	09/12/2011	Common Stock	500,000	$ 1	I	by spouse
option	09/12/2008	09/12/2011	Common Stock	500,000	$ 1	I	by spouse
Option	10/07/2009	09/12/2013	Common Stock	500,000	$ 1	I	by spouse

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SCHWARTZBERG DEBBIE 269 SOUTH BEVERLY DRIVE, NO. 1315 BEVERLY HILLS, CA 90212		X		

Signatures

/s/ Debbie Schwartzberg		02/01/2010
**Signature of Reporting Person		Date

Explanation of Responses:

*   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).

(1)   Ms. Schwartzberg is a co-trustee of the Julie Schwartzberg Trust in which she shares voting, disposition and investment control over the securities.

(2)   Ms. Schwartzberg is a co-trustee of the David N. Sterling Trust in which she shares voting, disposition and investment control over the securities.

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

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