

REPLIDYNE INC  
Form 3  
June 27, 2006

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Letendre Peter		(Month/Day/Year)	REPLIDYNE INC [RDYN]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
1450 INFINITE DRIVE			(Check all applicable)	
(Street)			<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
LOUISVILLE,Â COÂ 80027			<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
(City)	(State)	(Zip)	(give title below)	(specify below)
			Chief Commercial Officer	6. Individual or Joint/Group Filing(Check Applicable Line)
				<input checked="" type="checkbox"/> Form filed by One Reporting Person
				<input type="checkbox"/> Form filed by More than One Reporting Person

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

SEC 1473 (7-02)

**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 control number.**

**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	

Stock Option (right to buy)	06/27/2006 <sup>(1)</sup>	03/09/2015	Common Stock	203,915	\$ 0.61	D	Â
Stock Option (right to buy)	06/27/2006 <sup>(2)</sup>	01/19/2016	Common Stock	65,252	\$ 3.19	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Letendre Peter 1450 INFINITE DRIVE LOUISVILLE,Â COÂ 80027	Â	Â	Â Chief Commercial Officer	Â

## Signatures

/s/ Laura M. Medina,  
Attorney-in-Fact

06/27/2006

\_\_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) 25% of the shares vest one year from the vesting commencement date; the remaining shares vest in equal monthly installments over the next 36 months.
- 12.5% of the shares vest on the one year anniversary of the vesting commencement date; 37.5% of the shares vest in equal monthly installments over 36 months beginning one month following the one year anniversary of the vesting commencement date; 50% of the
- (2) shares vest upon the earlier to occur of (A) the fourth anniversary of the vesting commencement date; and (B) following the Company's consummation of its initial public offering, such day on which the closing price, as reported on the Nasdaq National quotation system, of the Company's Common Stock equals or exceeds a milestone price as set forth in the option grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.