

REPLIDYNE INC  
Form 8-K  
February 28, 2007

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549  
FORM 8-K  
CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported): February 28, 2007**

**REPLIDYNE, INC.**

(Exact Name of Registrant as Specified in Charter)

**Delaware**

*(State or other jurisdiction of  
incorporation or organization)*

**84-1568247**

*(I.R.S. Employer  
Identification No.)*

**1450 Infinite Drive,  
Louisville, Colorado**

*(Address of principal executive offices)*

**80026**

*(Zip Code)*

**720-996-5500**

*(Registrant's telephone number, including area code)*

**Not Applicable**

*(Former name, former address and former fiscal year, if changed since last report)*

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 2.02. Results of Operations and Financial Condition.**

On February 28, 2007, Replidyne, Inc. issued a press release announcing its financial results for the quarter and year ended December 31, 2006. A copy of the press release is furnished as Exhibit 99.1.

In accordance with General Instruction B.2. of Form 8-K, the information presented under this Item 2.01 and attached as Exhibit 99.1 shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, except as expressly set forth by specific reference in such a filing.

**Item 9.01. Financial Statements and Exhibits.**

(c) Exhibits.

99.1 Press release of Replidyne, Inc., dated February 28, 2007, entitled Replidyne Announces 2006 Fourth Quarter and year-End Earnings .

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**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**REPLIDYNE, INC.**

Dated: February 28, 2007

By: /s/ Mark L. Smith  
Mark L. Smith  
Chief Financial Officer Principal  
Accounting Officer

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**EXHIBIT INDEX**

**Exhibit**

<b>No.</b>	<b>Description</b>
99.1	Press release of Replidyne, Inc., dated February 28, 2007, entitled Replidyne Announces 2006 Fourth Quarter and Year-End Earnings .