

REPLIDYNE INC  
Form 8-K  
February 26, 2008

**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 February 26, 2008  
REPLIDYNE, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**

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

**1450 Infinite Drive,  
Louisville, Colorado**

*(Address of principal executive offices)*

**000-52082**

*(Commission File Number)*

**84-1568247**

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

**80027**

*(Zip Code)*

**303-996-5500**

*(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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**INFORMATION TO BE INCLUDED IN THE REPORT**

**Item 2.02 Results of Operations and Financial Condition.**

On February 26, 2008, Replidyne, Inc. issued a press release reporting 2007 fourth quarter and full year financial results. A copy of the press release is attached as Exhibit 99.1 to this current report on Form 8-K and incorporated by reference herein.

The information in this item (including Exhibit 99.1) is being furnished pursuant to Item 2.02 and shall not be deemed to be filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the Exchange Act ), or otherwise subject to the liabilities of that section, nor shall it be deemed to be incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act.

**Item 9.01 Financial Statements and Exhibits.**

**(d) Exhibits.**

99.1 Press Release dated February 26, 2008 reporting its results of operations for the fourth quarter and full year 2007 results.

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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 26, 2008

By: /s/ Mark L. Smith

Mark L. Smith  
Chief Financial Officer Principal Accounting Officer

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**EXHIBIT INDEX**

Exhibit No.	Description
99.1	Press Release, dated February 26, 2008 reporting 2007 fourth quarter and full year financial results.