

CRDENTIA CORP  
Form 4  
May 23, 2007

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 \*  
**TONEY C FRED**

(Last) (First) (Middle)  
  
500 THIRD STREET #535  
  
(Street)

SAN FRANCISCO, CA 94107

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**CRDENTIA CORP [CRDT]**

3. Date of Earliest Transaction  
(Month/Day/Year)  
05/21/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	05/21/2007		P <sup>(1)</sup>		166,666	A	\$ 0.6
					14,205,344	I	

See footnotes (1) (2)

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

**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.**

SEC 1474 (9-02)

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

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
TONEY C FRED 500 THIRD STREET #535 SAN FRANCISCO, CA 94107		X		

## Signatures

C. Fred Toney; /s/ C. Fred Toney  
Date: 05/23/2007

Signature of Reporting Person: \_\_\_\_\_ Date: \_\_\_\_\_

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(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).
- These purchases were made by MedCap Partners (See footnote 2) in a private (PIPE) transaction with the issuer. As a holder of more than
- (1) 10% of the issuer's common stock for Section 16 purposes, MedCap Partners is separately reporting these purchases on a Form 4 filed concurrently herewith.
 

11,319,762 shares of common stock reported on this Form 4 are beneficially held by MedCap Partners L.P. ("MedCap Partners"), 302,249 shares are beneficially held by an offshore investment limited partnership (the "Offshore Fund") and the balance is held by C. Fred Toney directly (after giving effect to the transactions reported on this Form 4). MedCap Management & Research LLC ("MMR"), a registered investment advisor, is the general partner and investment manager of both MedCap Partners and the Offshore Fund.
  - (2) Toney, the Chairman of the issuer's Board of Directors, is the managing member of MMR, and Mr. Toney also holds, directly and indirectly, limited partnership interests in MedCap Partners. Each of MedCap Partners, the Offshore Fund, MMR and Mr. Toney expressly disclaims beneficial ownership in the securities reported on this Form 4, except to the extent of their respective pecuniary interests therein.

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.