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SCHEDULE 13D  
(Rule 13d-101)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULE  
13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(a)  
(Amendment No. 1)

i-STAT Corporation

-----  
(Name of Issuer)

Common Stock, par value \$0.15 per share

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(Title of Class of Securities)

450312103

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(CUSIP Number)

Jose M. de Lasa  
Senior Vice President, Secretary  
and General Counsel  
Abbott Laboratories  
100 Abbott Park Road  
Abbott Park, Illinois 60064-3500  
(847) 937-6100

-----  
(Name, Address and Telephone Number of Persons  
Authorized to Receive Notices and Communications)

September 2, 1998

-----  
(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule  
13G to report the acquisition which is the subject of this Schedule 13D,  
and is filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g),  
check the following box [ ]

(Continued on following pages)  
(Page 1 of 4 Pages)

CUSIP NO.: 450312103

13D

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)  
Abbott Laboratories (# 36-0698440)

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ( )  
(b) ( )

3 SEC USE ONLY

4 SOURCE OF FUNDS  
WC

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  
PURSUANT TO ITEM 2(d) or 2(e) ( )

6 CITIZENSHIP OR PLACE OF ORGANIZATION  
Illinois

7 SOLE VOTING POWER  
2,000,000 shares of Common Stock

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH

8 SHARED VOTING POWER  
0

9 SOLE DISPOSITIVE POWER

REPORTING PERSON WITH 2,000,000 shares of Common Stock  
10 SHARED DISPOSITIVE POWER  
0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
2,000,000 shares of Common Stock

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES ( )

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
11.5%

14 TYPE OF REPORTING PERSON  
CO

This Amendment No. 1 (this "Amendment") amends the Schedule 13D filed by Abbott Laboratories, an Illinois corporation ("Abbott") on August 13, 1998 (the "Original Schedule 13D"). Capitalized terms used but not otherwise defined in this Amendment shall have the meanings assigned to those terms in the Original Schedule 13D.

ITEM 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION

The aggregate purchase price for the purchase by Abbott described herein of 2,000,000 shares of the common stock, par value \$0.15 per share, (the "Common Stock") of i-STAT Corporation (the "Issuer") was \$22,700,000. The source of such funds was the working capital of Abbott.

ITEM 4. PURPOSE OF THE TRANSACTION

As previously disclosed, pursuant to the Stock Purchase Agreement dated as of August 3, 1998 between Abbott and the Issuer, Abbott agreed to purchase 2,000,000 shares of Common Stock at a purchase price of \$22,700,000. On September 2, 1998, Abbott and the Issuer consummated the transactions contemplated by the Stock Purchase Agreement, including the purchase by Abbott of 2,000,000 shares of Common Stock. Also on September 2, 1998, the Issuer and Abbott entered into the Registration Rights Agreement and the closings were held under the Distribution Agreement and the Research Agreement.

ITEM 5. INTEREST IN SECURITIES OF THE ISSUER

(a) Abbott is the beneficial owner of all 2,000,000 shares of Common Stock. Such Shares represent 11.5% of the total outstanding shares of Common Stock.

(b) Abbott has the sole power to vote and to dispose of all 2,000,000 shares of Common Stock.

(c) Other than the execution of the Stock Purchase Agreement on August 3, 1998 and the purchase of 2,000,000 shares of Common Stock on September 2, 1998, Abbott has not effected any transactions in the Common Stock in the past 60 days.

(d) - (e) Not applicable.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: September 2, 1998

ABBOTT LABORATORIES

By: /s/ Miles D. White

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Name: Miles D. White

Title: Executive Vice President