

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

POST EFFECTIVE AMENDMENT NO. 1
TO

FORM S-8 REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

SAFESTITCH MEDICAL, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation
or organization)

11-2962080

(IRS Employer
Identification Number)

**4400 Biscayne Boulevard, Suite 670
Miami Florida 33137**

(Address of Principal Executive Offices)

**1996 Stock Option Plan, As Amended
1993 Non-Employee Director Stock Option Plan, As Amended**

(Full title of the Plan)

**Adam S. Jackson
Chief Financial Officer
SafeStitch Medical, Inc.
4400 Biscayne Boulevard, Suite 670
Miami, Florida 33137**

(Name and address of agent for service)

(305) 575-6000

Telephone number, including area code, of agent for service

Copies to:

**Robert L. Grossman, Esq.
Greenberg Traurig, P.A.
1221 Brickell Avenue
Miami, Florida 33131
(305) 579-0500**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer
Non-accelerated filer (Do not check if a smaller reporting company)

Accelerated filer
Smaller reporting company

EXPLANATORY NOTE: DEREGISTRATION OF SECURITIES

On August 24, 2000, SafeStitch Medical, Inc., a Delaware corporation (formerly known as Cellular Technical Services Company, Inc., the "Company"), filed with the Securities and Exchange Commission a registration statement on Form S-8, File No. 333-44410 (the "Registration Statement"), registering 225,000 shares of its common stock, par value \$0.001 per share ("Common Stock"), to be issued in connection with the Company's 1996 Stock Option Plan, as amended (the "1996 Plan"), and 40,000 shares of Common Stock to be issued in connection with the Company's 1993 Non-Employee Director Stock Option Plan, as amended (the "1993 Plan" and, together with the 1996 Plan, the "Plans"). The Company has terminated the Plans; consequently, the Company is filing this Post-Effective Amendment No. 1 to the Registration Statement to remove, and hereby does remove, from registration all shares of Common Stock registered on the Registration Statement that remain unissued under the Plans.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment No. 1 to the Registration Statement on Form S-8 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Miami, State of Florida on this 24th day of March, 2009.

SAFESTITCH MEDICAL, INC.

By: /s/ Jeffrey G. Spragens

Jeffrey G. Spragens
Chief Executive Officer and President

POWER OF ATTORNEY

Each person whose signature appears below hereby appoints Jeffrey G. Spragens and Adam S. Jackson his true and lawful attorney-in-fact with authority to execute in the name of each such person, and to file with the Securities and Exchange Commission, together with any exhibits thereto and other documents therewith, any and all amendments (including without limitation post-effective amendments) to this registration statement necessary or advisable to enable the registrant to comply with the Securities Act of 1933, as amended, and any rules, regulations and requirements of the Securities and Exchange Commission in respect thereof, which amendments may make such other changes in the registration statement as the aforesaid attorney-in-fact executing the same deems appropriate. Pursuant to the requirements of the Securities Act, this Post-Effective Amendment No. 1 to the Registration Statement on Form S-8 has been signed below by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Jeffrey G. Spragens</u> Jeffrey G. Spragens	Chief Executive Officer and President (Principal Executive Officer)	March 24, 2009
<u>/s/ Jane H. Hsiao, Ph.D.</u> Jane H. Hsiao, Ph.D.	Chairman of the Board of Directors	March 24, 2009
<u>/s/ Dr. Charles Filipi</u> Dr. Charles Filipi	Medical Director and Director	March 24, 2009
<u>/s/ Dr. Kenneth Heithoff</u> Dr. Kenneth Heithoff	Director	March 24, 2009
<u>/s/ Steven D. Rubin</u> Steven D. Rubin	Director	March 24, 2009
<u>/s/ Richard Pfenniger, Jr.</u> Richard Pfenniger, Jr.	Director	March 24, 2009
<u>/s/ Kevin Wayne</u> Kevin Wayne	Director	March 24, 2009
<u>/s/ Adam S. Jackson</u> Adam S. Jackson	Chief Financial Officer (Principal Financial Officer)	March 24, 2009
