

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 A-100
Miami Florida 33137**

(Address of Principal Executive Offices)

1996 Stock Option Plan

(Full title of the Plan)

**Adam S. Jackson
Chief Financial Officer
SafeStitch Medical, Inc.
4400 Biscayne Boulevard, Suite A-100
Miami, Florida 33137**

(Name and address of agent for service)

(305) 575-4202

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

Accelerated filer

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

Smaller reporting company

EXPLANATORY NOTE: DEREGISTRATION OF SECURITIES

On July 12, 1996, 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. 333-08049 (the "Registration Statement"), registering 1,100,000 shares of its common stock, par value \$0.001 per share, to be issued in connection with the Company's 1996 Stock Option Plan (the "Plan"). The Company has terminated the Plan; 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 Plan.

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 2nd day of July, 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)	July 2, 2009
<u>/s/ Jane H. Hsiao, Ph.D.</u> Jane H. Hsiao, Ph.D.	Chairman of the Board of Directors	June 30, 2009
<u>/s/ Dr. Charles Filipi</u> Dr. Charles Filipi	Medical Director and Director	July 2, 2009
<u>/s/ Steven D. Rubin</u> Steven D. Rubin	Director	June 30, 2009
<u>/s/ Richard Pfenniger, Jr.</u> Richard Pfenniger, Jr.	Director	June 30, 2009
<u>/s/ Kevin Wayne</u> Kevin Wayne	Director	June 30, 2009
<u>/s/ Adam S. Jackson</u> Adam S. Jackson	Chief Financial Officer (Principal Financial Officer)	June 30, 2009
