

ADVANCED CELL TECHNOLOGY, INC.  
Form 424B3  
September 08, 2006

Filed Pursuant to Rule 424(b)(3)  
Registration No. 333-129019

**September 6, 2006**

**Prospectus Supplement No. 7  
To Prospectus Dated April 13, 2006**

**of**

**ADVANCED CELL TECHNOLOGY, INC.  
Relating to**

**20,397,296 SHARES OF COMMON STOCK**

This prospectus supplement supplements our prospectus dated April 13, 2006, relating to the sale by certain selling stockholders of up to 20,397,296 shares of common stock of Advanced Cell Technology, Inc. held by or issuable to the selling stockholders, as follows:

- up to 9,685,326 shares of common stock underlying convertible debentures held by certain selling security holders in the aggregate original principal amount of \$22,276,750,
- up to 6,004,902 shares issuable upon the exercise of common stock purchase warrants held by certain of the selling security holders, and
- in accordance with our contractual obligations, up to an additional 4,707,068 shares issuable upon conversion of the debentures and upon exercise of the warrants.

You should read this supplement in conjunction with the prospectus. This supplement is qualified by reference to the prospectus, except to the extent the information in this supplement supersedes the information contained in the prospectus.

#### CONVERTIBLE DEBENTURES

We elected to make the monthly redemption payments due on October 1, 2006 under certain of our convertible debentures maturing September 14, 2008, in shares of our common stock. In accordance with the terms of the convertible debentures, the deemed issue price per share will be calculated at the lesser of (1) the Conversion Price (as defined in the convertible debentures) or (2) 85% of the average of the 10 closing prices immediately prior to the applicable monthly redemption date.

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