

**Ensysce Biosciences, Inc.**  
**7946 Ivanhoe Avenue, Suite 201**  
**La Jolla, California 92037**

April 3, 2024

**VIA EDGAR**

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
Office of Life Sciences  
100 F Street, NE  
Washington, D.C. 20549  
Attention: Jessica Dickerson, Esq.

Re: Ensysce Biosciences, Inc.  
Registration Statement on Form S-1  
SEC File No. 333-276537  
Filed January 17, 2024  
Pre-Effective Amendment No. 1 filed March 26, 2024

Ladies and Gentlemen:

Pursuant to Rule 461 of Regulation C of the General Rules and Regulations under the Securities Act of 1933, as amended, Ensysce Biosciences, Inc. (the "**Company**") hereby requests that the effective date of the Company's Registration Statement on Form S-1 (File No. 333-276537) (the "**Registration Statement**") be accelerated so that the Company's Registration Statement will become effective at 4:00 PM, Eastern Time, on April 5, 2024, or as soon thereafter as is practicable, or at such other time thereafter as our counsel, Troutman Pepper Hamilton Sanders LLP, may request by telephone. Once the Registration Statement has been declared effective, please orally confirm that event with our counsel, Troutman Pepper Hamilton Sanders LLP, by calling Eric D. Kline at (412) 454-5046 or Gregory Rubis at (609) 951-4105.

Please direct any questions or comments concerning this request to Eric Kline or Gregory Rubis.

**ENSYSCE BIOSCIENCES, INC.**

By: /s/ Lynn Kirkpatrick  
Name: Dr. Lynn Kirkpatrick  
Title: President and Chief Executive Officer

cc: Eric D. Kline, Troutman Pepper Hamilton Sanders LLP  
Gregory Rubis, Troutman Pepper Hamilton Sanders LLP

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