



Heat Biologics, Inc.
801 Capitola Drive, Suite 12
Durham, North Carolina 27713

May 2, 2018

VIA EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549
Attention: Dorrie Yale

Re: Heat Biologics, Inc.
Registration Statement on Form S-1
File No. 333-224039

Dear Ms. Yale:

Heat Biologics, Inc. (the “Company”) hereby requests that the effective date of the Company’s Registration Statement on Form S-1, as amended (File No. 333-224039), be accelerated by the U.S. Securities and Exchange Commission to **Wednesday, May 2, 2018 at 4:15 pm**, New York City Time, or as soon as reasonably practicable thereafter.

The Company hereby authorizes Leslie Marlow and/or Patrick Egan of Gracin & Marlow, LLP to orally modify or withdraw this request for acceleration. Please contact Ms. Marlow at (516) 496-2223 or (212) 907-6457, or Mr. Egan at (914) 557-5574 with any questions you may have concerning this request, and please notify either of them when this request for acceleration has been granted.

Very truly yours,

Heat Biologics, Inc.

By: /s/ Jeffrey Wolf

Name: Jeffrey Wolf

Title: Chief Executive Officer