

ASTROTECH Corp \WA\  
Form 8-A12B/A  
July 29, 2010

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
FORM 8-A/A  
FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR (g) OF THE  
SECURITIES EXCHANGE ACT OF 1934  
Astrotech Corporation  
(Exact name of registrant as specified in its charter)**

**Washington**  
(State of Incorporation)

**91-1273737**  
(IRS Employer Identification No.)

**401 Congress Ave., Suite 1650, Austin, Texas**

**78701**

Securities to be registered pursuant to Section 12(b) of the Act:

Title of each class  
to be so registered

**Preferred Stock Purchase Rights**

Name of each exchange on which  
each class is to be registered

**The NASDAQ Stock Market LLC**

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), please check the following box.

Securities Act registration statement file number to which this form relates: N/A.

Securities to be registered pursuant to Section 12(g) of the Act: None.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), please check the following box.

Item 1. Description of Registrant's Securities to be Registered.

Astrotech Corporation (the Company) has entered into an amendment to the Company's existing Rights Agreement dated July 29, 2009 to extend the Expiration Date on which the Rights may be exercisable to August 10, 2011.

The Amendment is attached hereto as Exhibit 4.2 and is incorporated herein by reference. The foregoing summary of the Amendment is qualified in its entirety by reference to the full text of such exhibit.

Item 2. Exhibits.

Exhibit No.	Description
4.1	Rights Agreement, dated as of July 29, 2009, between the Company and American Stock Transfer & Trust Company, LLC, as Rights Agent (incorporated by reference to Exhibit 4.1 to the Company's Form 8-A, filed on July 31, 2009).
4.2	Amendment One to Rights Agreement, dated as of July 29, 2010, between Astrotech Corporation and American Stock Transfer & Trust Company, LLC, as Rights Agent (incorporated by reference to Exhibit 4.1 to the Company's Current Report on Form 8-K filed on July 29, 2010).

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ASTROTECH CORPORATION.

Date: July 29, 2010

By: /s/ Thomas B. Pickens, III  
Name: Thomas B. Pickens, III  
Title: Chairman of the Board and  
Chief Executive Officer

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**EXHIBIT INDEX**

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