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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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FORM S-8  
REGISTRATION STATEMENT  
*Under*  
*the Securities Act of 1933*

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**BIO-TECHNE CORPORATION**  
(Exact Name of Registrant as Specified in its Charter)

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**Minnesota** **41-1427402**  
(State or Other Jurisdiction of (I.R.S. Employer  
Incorporation or Organization) Identification Number)

**614 McKinley Place N.E.**  
**Minneapolis, Minnesota 55413-2610**  
(Address of Principal Executive Office and Zip Code)

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**Bio-Techne Corporation Second Amended and Restated 2010 Equity Incentive Plan**  
(Full Title of the Plan)

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**James Hippel**  
**Senior Vice President of Finance and Chief Financial Officer**  
**Bio-Techne Corporation**  
**614 McKinley Place N.E.**  
**Minneapolis, Minnesota 55413-2610**  
**(612) 379-8854**  
(Name, Address and Telephone Number, Including Area Code, of Agent for Service)

*Copies to:*  
**Melodie R. Rose**  
**Fredrikson & Byron, P.A.**  
**200 South Sixth Street, Suite 4000**  
**Minneapolis, MN 55402**  
**Fax: (612) 492-7162**

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

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Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	(Do not check if a smaller reporting company)	
		Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

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If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Exchange Act.

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**CALCULATION OF REGISTRATION FEE**

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<b>Title of Securities to be Registered</b>	<b>Amount to be Registered<sup>(1)</sup></b>	<b>Proposed Maximum Offering Price Per Share<sup>(2)</sup></b>	<b>Proposed Maximum Aggregate Offering Price<sup>(2)</sup></b>	<b>Amount of Registration Fee</b>
Common Stock, par value \$0.01 per share (Reserved for Future Sales)	900,000	\$166.51	\$149,859,000.00	\$18,162.91

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- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement shall also cover any additional shares of the Registrant's common stock, par value \$0.01 per share, which may become issuable under the Bio-Techne Corporation Second Amended and Restated 2010 Equity Incentive Plan being registered pursuant to this Registration Statement by reason of any stock dividend, stock split, recapitalization or any other similar transaction effected without the receipt of consideration which results in an increase in the number of the registrant's outstanding shares of common stock.
- (2) Estimated pursuant to Rule 457(h) and Rule 457(c) under the Securities Act solely for the purpose of calculating the registration fee and based upon the average of the high and low prices of the Registrant's Common Stock on November 1, 2018, as quoted on the Nasdaq Global Select Market.
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## STATEMENT OF INCORPORATION BY REFERENCE

This Registration Statement on Form S-8 is filed by Bio-Techne Corporation (the “Company” or the “Registrant”) to register 900,000 shares of its common stock, par value \$0.01 per share, for issuance under the Bio-Techne Corporation Second Amended and Restated 2010 Equity Incentive Plan, which common stock is in addition to the 3,000,000 shares of common stock registered on the Company's Registration Statement on Form S-8 filed on November 12, 2010 (File No. 333-170576), the 800,000 shares of common stock registered on the Company's Registration Statement on Form S-8 filed on October 30, 2015 (File No. 333-207710), and the 2,648,000 shares of common stock registered on the Company's Registration Statement on Form S-8 filed on October 26, 2017 (File No. 333-221143 (collectively, the “Prior Registration Statements”). This Registration Statement relates to securities of the same class as that to which the Prior Registration Statements relate and is submitted in accordance with General Instruction E to Form S-8 regarding Registration of Additional Securities. Pursuant to General Instruction E of Form S-8, the contents of the Prior Registration Statements are incorporated herein by reference and made part of this Registration Statement, except for Item 8, Exhibits.

### PART II

#### INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

##### Item 8. Exhibits.

- 5.1 [Opinion of Fredrikson & Byron, P.A., filed herewith.](#)
- 23.1 [Consent of KPMG LLP, Independent Registered Public Accounting Firm, filed herewith.](#)
- 23.2 [Consent of Fredrikson & Byron, P.A. \(included in Exhibit 5.1\), filed herewith.](#)
- 24.1 [Power of Attorney \(included on signature page hereto\).](#)
- 99.1 [Bio-Techne Corporation Second Amended and Restated 2010 Equity Incentive Plan, incorporated by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on October 26, 2017.](#)
- 99.2 [Amendment to the Bio-Techne Corporation Second Amended and Restated 2010 Equity Incentive Plan, incorporated by reference to Exhibit 10.1 the Company's 8-K filed with the Securities and Exchange Commission on October 26, 2018.](#)

#### 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 Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Minneapolis, State of Minnesota, on November 7, 2018.

#### BIO-TECHNE CORPORATION

By: /s/ James Hippel  
James Hippel  
Senior Vice President of Finance and Chief  
Financial Officer

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Each of the undersigned constitutes and appoints Charles R. Kummeth and James Hippel his or her true and lawful attorney-in-fact and agent, each acting alone, with full powers of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign the Form S-8 Registration Statement of Bio-Techne Corporation relating to the Company's Second Amended and Restated 2010 Equity Incentive Plan, any or all amendments or post-effective amendments to the Form S-8 Registration Statement, and any or all future Form S-8 Registration Statements filed for the purpose of registering additional shares resulting from share increases under the Company's Second Amended and Restated 2010 Equity Incentive Plan, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, each acting alone, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as the undersigned might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, each acting alone, or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the date listed below.

<b>Signature</b>	<b>Title</b>	<b>Date</b>
<u>/s/ Charles R. Kummeth</u> Charles R. Kummeth	President, Chief Executive Officer and Director (principal executive officer)	November 7, 2018
<u>/s/ James Hippel</u> James Hippel	Senior Vice President—Finance and Chief Financial Officer (principal financial and accounting officer)	November 7, 2018
<u>/s/ Robert V. Baumgartner</u> Robert V. Baumgartner	Director	November 7, 2018
<u>/s/ John L. Higgins</u> John L. Higgins	Director	November 7, 2018
<u>/s/ Joseph D. Keegan</u> Joseph D. Keegan	Director	November 7, 2018
<u>/s/ Roeland Nusse</u> Roeland Nusse	Director	November 7, 2018
<u>/s/ Alpna Seth</u> Alpna Seth	Director	November 7, 2018
<u>/s/ Randolph Steer</u> Randolph Steer	Director	November 7, 2018
<u>/s/ Harold J. Wiens</u> Harold J. Wiens	Director	November 7, 2018

OPINION OF FREDRIKSON & BYRON, P.A.

**FREDRIKSON & BYRON, P.A.**  
200 South Sixth Street, Suite 4000  
Minneapolis, Minnesota 55402  
Telephone: (612) 492-7000  
Facsimile: (612) 492-7077

November 7, 2018

Bio-Techne Corporation  
614 McKinley Place N.E.  
Minneapolis, MN 55413

Re: Registration Statement on Form S-8

Ladies and Gentlemen:

We are acting as corporate counsel to Bio-Techne Corporation (the “**Company**”) in connection with the filing by the Company of a Registration Statement on Form S-8 (the “**Registration Statement**”) under the Securities Act of 1933, as amended (the “**Act**”) to register 900,000 additional shares (plus any additional shares as described in footnote (1) to the Calculation of Registration Fee table) of Common Stock, par value \$0.01, of the Company, which we have been advised by the Company may be issued from time to time pursuant to the Bio-Techne Corporation Second Amended and Restated 2010 Equity Incentive Plan (the “**Plan**”). All such shares of Common Stock to be issued pursuant to the Plan are referred to herein as the “**Shares**.”

In acting as such counsel and for the purpose of rendering this opinion, we have reviewed copies of the following, as presented, and represented as being such, to us by the Company: (i) the Company’s Amended and Restated Articles of Incorporation, as amended; (ii) the Company’s Amended and Restated Bylaws; (iii) certain corporate resolutions adopted by the Board of Directors and shareholders of the Company pertaining to approval of the Plan; (iv) the Plan; and (v) the Registration Statement. In our examination, we have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as originals and the conformity with the original of all documents submitted to us as copies thereof.

Based on, and subject to, the foregoing and upon representations and information provided by the Company or its officers or directors or by public officials or their staffs, it is our opinion as of this date that, upon issuance and delivery of the Shares against receipt by the Company of the consideration for the Shares pursuant to the terms of the Plan, the Shares will be validly issued, fully paid and nonassessable. This opinion is limited to the laws of the State of Minnesota.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement. In giving such consent, we do not hereby admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act of 1933, as amended, or the rules and regulations of the Securities and Exchange Commission.

Very truly yours,

Fredrikson & Byron, P.A.

By: /s/ Melodie R. Rose  
Melodie R. Rose  
*Vice President*

**Consent of Independent Registered Public Accounting Firm**

The Board of Directors  
Bio-Techne Corporation:

We consent to the use of our reports dated August 27, 2018 with respect to the consolidated balance sheets of Bio-Techne Corporation as of June 30, 2018 and 2017 and the related consolidated statements of earnings and comprehensive income, shareholders' equity, and cash flows for each of the years in the three-year period ended June 30, 2018, and the effectiveness of internal control over financial reporting as of June 30, 2018, incorporated by reference herein.

Our report dated August 27, 2018, on the effectiveness of internal control over financial reporting as of June 30, 2018, contains an explanatory paragraph that states that the scope of management's assessment of the effectiveness of internal control over financial reporting excluded the operations of Trevigen, Inc., Atlanta Biologicals, Inc., and Eurocell Diagnostics SAS, which were acquired during fiscal 2018. Trevigen Inc., Atlanta Biologicals, Inc., and Eurocell Diagnostics SAS represented 5.3% of Bio-Techne Corporation's total assets and 1.7% of its total revenues as of and for the fiscal year ended June 30, 2018. Our audit of internal control over financial reporting of the Company also excluded an evaluation of the internal control over financial reporting of Trevigen, Inc., Atlanta Biologicals, Inc., and Eurocell Diagnostics SAS.

/s/KPMG  
Minneapolis, Minnesota  
November 7, 2018