

Aeterna Zentaris Inc.  
Form 6-K  
August 11, 2009

**FORM 6-K**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**REPORT OF FOREIGN ISSUER**

**Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934**

**For the month of August 2009**

**ÆTERNA ZENTARIS INC.**

**1405, boul. du Parc-Technologique**

**Québec, Québec**

**Canada, G1P 4P5**

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F  Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934

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Yes  No

If  Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-

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**DOCUMENTS INDEX**

Documents Description

- 99.1 Aeterna Zentaris Interim Report Second Quarter 2009 (Q2)
- 99.2 Certification of the Chief Executive Officer pursuant to Multilateral Instrument 52-109
- 99.3 Certification of the Chief Financial Officer pursuant to Multilateral Instrument 52-109

SIGNATURE

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, thereunto duly authorized.

ÆTERNA ZENTARIS INC.

Date: August 11, 2009

By:

/s/Dennis Turpin  
Dennis Turpin  
Senior Vice President and Chief Financial Officer