



Sensor For Cyanuric Acid Detection

[View U.S. Patent No. 12,134,795 in PDF format.](#)

WARF: P180322US02

Inventors: Srivatsan Raman, Xiangyang Liu

The Invention

A cyanuric acid-responsive biosensor includes a host strain or cell-free system including a first and a second expression cassette; the first expression cassette including, in operable communication, a constitutive promoter and a gene encoding an AtzR cyanuric acid-responsive transcription factor; and the second expression cassette including, in operable communication, a promoter regulated by the cyanuric acid-responsive transcription factor and a gene encoding a reporter protein, wherein the first expression cassette expresses the AtzR cyanuric acid-responsive transcription factor, and, in the presence of cyanuric acid, the AtzR cyanuric acid-responsive transcription factor drives expression of the reporter protein.

Additional Information

For More Information About the Inventors

- [Srivatsan Raman](#)

Tech Fields

- [Research Tools : Detection](#)

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854