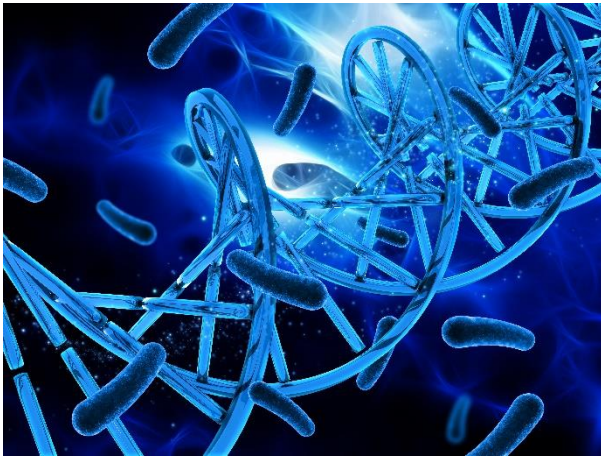


# IP MARKETPLACE

## CONNECTING INNOVATION TO YOUR BUSINESS

### TECH OFFER

## METHOD FOR RAPID DETECTION OF SALMONELLA BACTERIA



### ▶ MORE INFORMATION

#### MEGA-TREND

- Food security
- Food security and safety
- Healthcare

#### TECHNOLOGY READINESS LEVEL (TRL)

- TRL 3

#### PATENT/ GRANTED NUMBER

- PI 2018002651

### ▶ TECHNOLOGY OVERVIEW

The present invention relates to a device for rapid detection of salmonella bacteria, a method of fabricating and a method of operating thereof. The biosensor device is an aptasensor comprising a thiolated dna aptamer, wherein the thiolated dna aptamer is deployed onto an electrode having an active electrode area formed by a predefined photolithographic process via a carbon nanotube drop-casted thereon. The biosensor has a low detection limit of analyte and has the ability to measure a wide range of analyte concentrations.

### CONTACT US!

Dr. Lee Ching Shya

UMCIE Business Officer

Email: [leecs@um.edu.my](mailto:leecs@um.edu.my)

Phone: +603 – 7967 7351 / 7352