

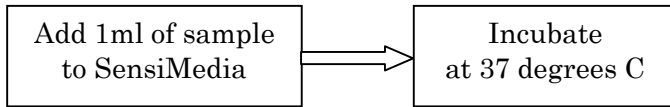
How to use SensiMedia for O157 Detection

MicroBio Corporation

1. General Description

This SensiMedia is designed to detect the presence of O157 isolated from other microorganisms.

2. Detection Procedure



Add sample

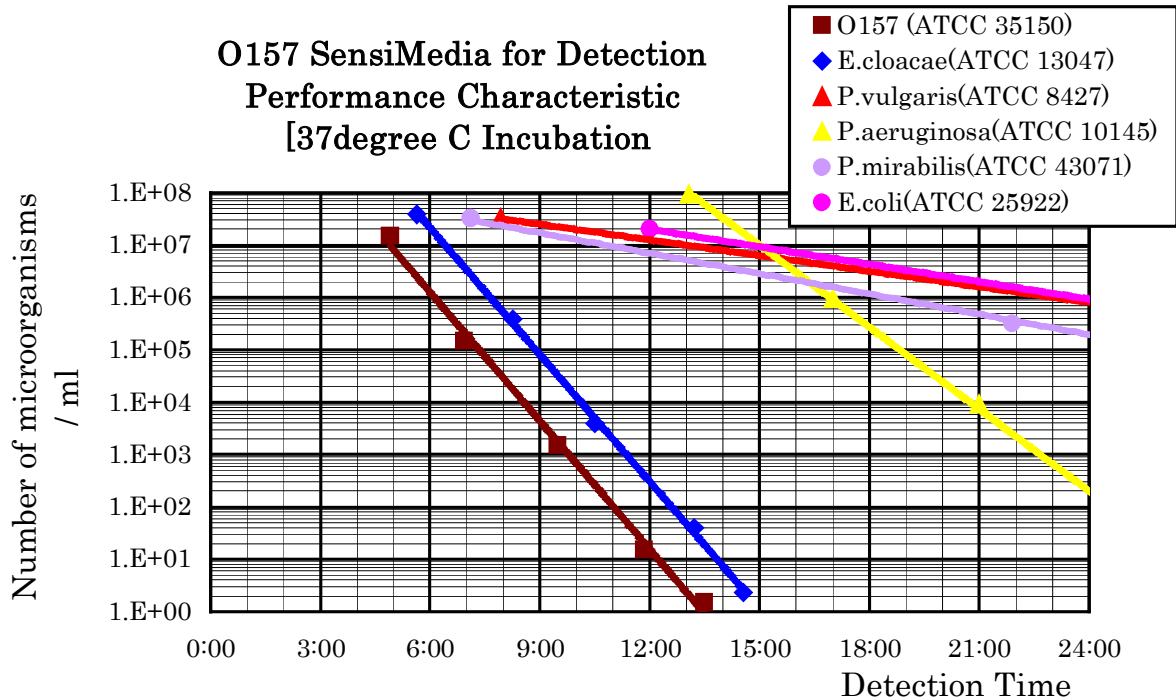
Open a cap of SensiMedia and add 1ml of sample. Close a cap and place the SensiMedia in an incubator.

Incubate Temperature

Incubate the sample added SensiMedia at 37 degrees C.

3. Detection Criteria

The performance characteristic of liquid medium is shown in graph below. Refer to it and set up a protocol for the test. If the color of CO₂ sensor turns into yellowish transparent, O157 is detected. If the color of sensor remains in dark blue, detection is negative.



Growth Suppressed

- S.typhimurium (ATCC14028)
- K.pneumoniae (ATCC33495)
- E.coli (ATCC25922)

Growth Inhibited

- S.aureus (ATCC25923)
- C.freundii (ATCC12681)
- A.hydrophila (ATCC7966)

O157 Confirmation Procedure

When sensor turned the color and detected the existence of microorganisms 15 hours later, follow the procedure below and make sure O157 is detected.

Indole Test

Step 1	Open the cap of SensiMedia tube and add 0.5ml of Kovac's reagent.
Step 2	Let the tube upright for 1 minute. Check the color of surface layer of liquid medium. Red to Dark Red : Indole Test Positive Yellow to Pink : Indole Test Negative

Note) Do not mix Kovac's reagent with liquid medium. If mixed, it would be hard for you to determine the result of test. Wait no more than three minutes to check the test result after the reagent is added.

Note) DADE BEHRING Kovac's Reagent 30ml Cat.# B1010-41A



No.	Microorganism	Growth	Indole Test
1	<i>E.coli O157</i>	++	+
2	<i>Enterobacter.spp</i>	+	-
3	<i>Proteus.spp</i>	+	d
4	<i>P.aeruginosa</i>	+	-

d: Negative except *P.vulgris*