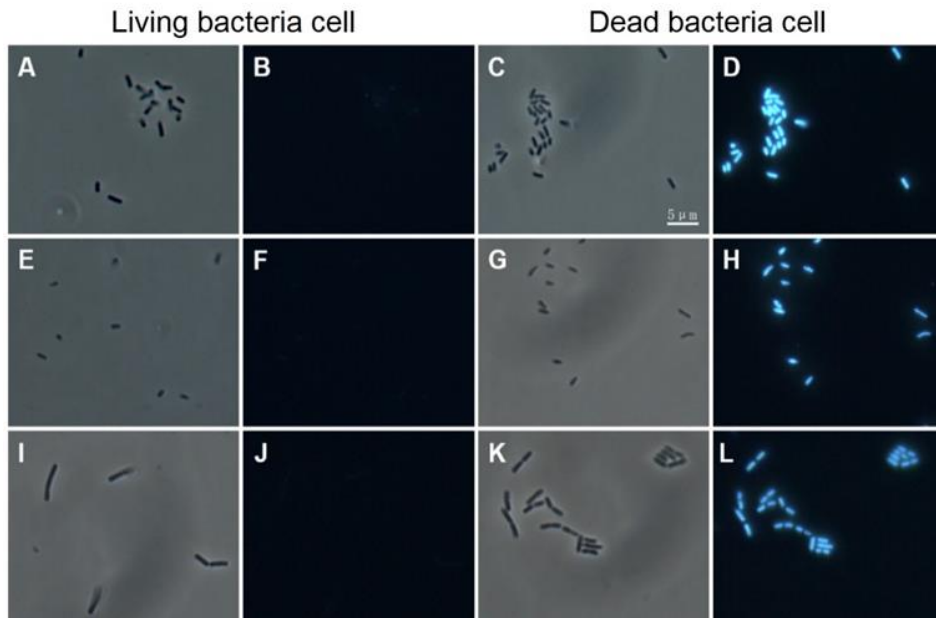


Product Specification

AIE™ Bacterial



Product Description

- This product can be used for distinguish bacterial viability.
- The product can be measured using a fluorescent excitation at 330~385 nm after co-cultured with bacterial. The blue signals will be received over the 400 nm channel.
- Co-stained with SYTO® " 9 for multicolor imaging of living and dead bacteria.
- This product has excellent stability and higher biocompatibility when compared to the commercial bacterial staining probes on the current market.

Demonstrations

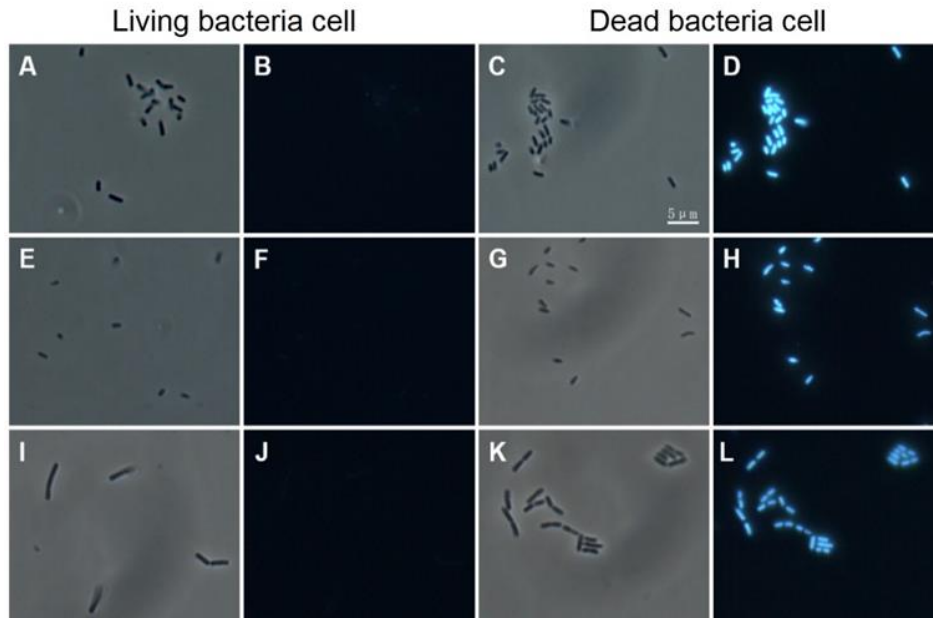


Figure 1. A, C, E, G, I, K) Bright-field and B, D, F, H, J, L) fluorescent images of A – D) *Escherichia coli* (E. coli), E – H) *S. epidermidis* and I – L) *B. Subtilis*. Bacterial stained with AIE™ Bacterial (100 μM) for 0.5 h before imaging.

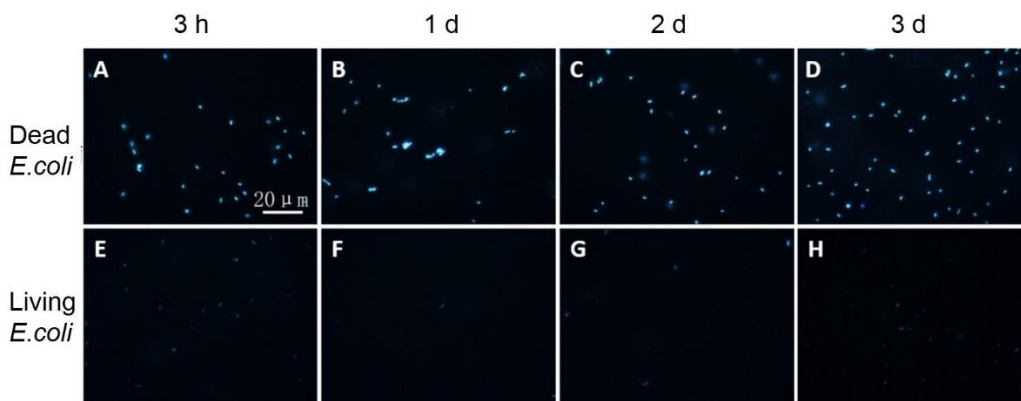


Figure 2. Fluorescent images of A – D) dead and E – H) living *E. coli*. The bacterial were incubation by AIE™ Bacterial for A, E) 3 h, B, F) 1 d, C, G) 2 d, and D, H) 3 d before imaging.

Recommended storage condition

Store away from sunlight at 2-8 °C

Product parameters

Purpose	Distinguish between living dead bacteria
Color:	White
Imaging platform:	Fluorescence microscopy, Confocal microscopy, and et, al
Pack size and quantity:	10 μmol
Detection method:	Fluorescence
Excitation/ Emission (nm):	320±20/450±50
Recommended transport condition:	Room temperature
Product declaration:	For research use only. Not for use in diagnostic procedures.

Product operation method and handbook

[handbook is uploaded with PDF file]; [MSDS handbook]