

Luminescent Mycoplasma Detection Kit

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CATALOG #
AAA332629

PRODUCT SYNONYMS

Luminescent Mycoplasma; Luminescent Mycoplasma Detection Kit; Mycoplasma; Mycoplasma PCR Detection; Luminescent Mycoplasma detection kit

PRODUCT SPECIFICATIONS

Form/Format	Liquid solution
Samples	Cell
Assay Duration	15min
Kit Components	Mycoplasma Assay Buffer Luciferase Mycoplasma Substrate A Mycoplasma Reagent B Positive Control
Features & Benefits	Mycoplasma detection Simple operation, fast and time-saving, the whole inspection process only two steps, only 15min. Continuous and stable luminescence, accurate detection.
Usage Notes	All reagents avoid repeated freezing and thawing, and it is recommended that they be used in separate containers, which must not be contaminated with ATP.
Preparation and Storage	Stored at -20 degree C for 12 months, protect from light All reagents avoid repeated freezing and thawing, and it is recommended that they be used in separate containers, which must not be contaminated with ATP.

ADDITIONAL INFORMATION

Related Product Information for Luminescent Mycoplasma detection kit	The Luminescent Mycoplasma Detection Kit utilizes Mycoplasma-specific kinase activity and detects it through a luminescent reaction catalyzed by ATP-dependent luciferase, and determines whether a sample is contaminated with Mycoplasma by comparing the change in ATP content before and after addition of the test reagent. When Mycoplasma is cleaved, it releases a unique kinase that reacts with the substrate and catalyzes the conversion of ADP to ATP. Mycoplasma is the smallest and simplest prokaryote. It has the following characteristics: there is no cell wall structure, and many common antibiotics that target the cell wall, such as penicillin or beta-lactam antibiotics, are ineffective against mycoplasma; The size is between bacteria and viruses, about 0.2-0.8um, some mycoplasma can pass 0.22 um filter, conventional filtration is ineffective for mycoplasma; Due to their limited biosynthesis capacity, many mycoplasma are usually adsorbed or scattered on the cell surface and between cells, relying on the host for nutrition. Mycoplasma pollution may seriously affect the state of cells, causing changes in gene expression and metabolic characteristics of cells, resulting in abnormal cell growth, differentiation and death, and seriously affecting cell function. At the same time, the reliability, repeatability and consistency of the experimental results are seriously affected, so the detection of mycoplasma contamination is very important.
Product Categories/Family for Luminescent Mycoplasma detection kit	Mycoplasma/endotoxin detection/clearance; Cell culture

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

