

Lonza 對抗21世紀細胞的黑死病

Mycoplasma 讓您馬上學會的教戰守則



解決方案一

預防勝於治療~ 定時 幫細胞健康檢查

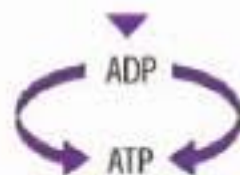
MycoAlert Mycoplasma Detection Kit

MycoAlert Mycoplasma Detection Kit 為偵測細胞黴漿菌污染試劑，能將黴漿菌溶解使其酵素被釋放出來，當釋放出來的酵素與 Substrate 反應的同時會催化 ADP 變成 ATP，藉由偵測 ATP 所帶動的冷光變化，來檢測細胞是否受到污染。



原理

Biochemical Pathways

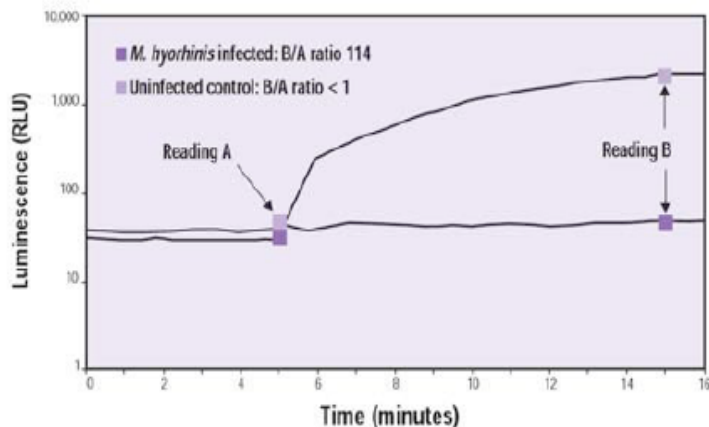
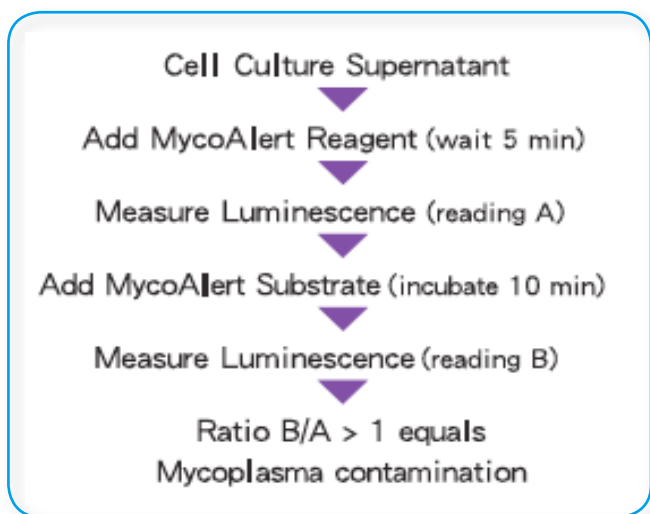


Bioluminescent Reaction



Fast	20分鐘內，即可完成檢驗，節省您寶貴的時間
Convenient	只需加入兩瓶試劑，偵測兩次的冷光
Sensitive	能偵測<50cfu/ml，避免PCR或螢光檢測時偽陰性的問題
Universal	能有效偵測到常見的黴漿菌污染，包括所有Acholeplasma及Mycoplasma
complete	此套組合所有實驗所需試劑，節省成本與時間，免除傳統PCR還需另購相關耗材

簡單的流程 只要ratio B/A >1表示有Mycoplasma 污染



靈敏度高 可偵測< 50 cfu/ml

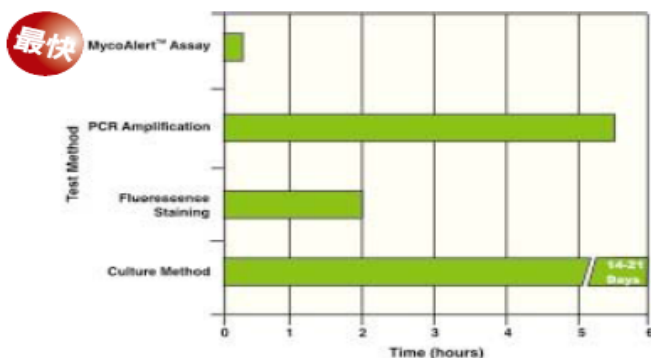
比較各個實驗方法的靈敏度

A. laidlawii (cfu/ml)	Culture	Fluorescence	PCR ⁺	MycoAlert™
0	Neg	Neg	Neg	Neg
20	Pos	Pos	Neg	Pos
200	Pos	Pos	Pos	Pos
20,000	Pos	Pos	Pos	Pos
200,000	Pos	Pos	Neg	Pos
M. hyorhinis (cfu/ml)	Culture	Fluorescence	PCR ⁺	MycoAlert™
0	Neg	Neg	Neg	Neg
20	Neg	Neg	Neg	Pos
20,000	Pos	Neg	Neg	Pos
200,000	Pos	Pos	Pos	Pos

Table 1. Comparison of mycoplasma detection of HepG2 cells infected with A. laidlawii and M. hyorhinis. Standard assay protocols were performed by an independent testing lab.

時間快速 只需20分鐘即可得知結果

比較各個實驗方法所需花費的時間



最快

勝出

Mycoplasma Species Tested			
<i>Acholeplasma laidlawii</i>	<i>Mesoplasma bovoculi</i>	<i>Mesoplasma gallisepticum</i>	<i>Mesoplasma orale</i>
<i>Acholeplasma modicum</i>	<i>Mesoplasma buccale</i>	<i>Mesoplasma genitalium</i>	<i>Mesoplasma pirum</i>
<i>Acholeplasma morum</i>	<i>Mesoplasma californicum</i>	<i>Mesoplasma hominis</i>	<i>Mesoplasma pneumoniae</i>
<i>Mesoplasma entomophilum</i>	<i>Mesoplasma canadense</i>	<i>Mesoplasma hyopneumoniae</i>	<i>Mesoplasma primum</i>
<i>Mesoplasma florum</i>	<i>Mesoplasma cloacale</i>	<i>Mesoplasma hyorhinis</i>	<i>Mesoplasma pulmonis</i>
<i>Mesoplasma alkalescens</i>	<i>Mesoplasma conjunctivae</i>	<i>Mesoplasma hyosynoviae</i>	<i>Mesoplasma salivarium</i>
<i>Mesoplasma arginini</i>	<i>Mesoplasma equirhinis</i>	<i>Mesoplasma lipophilum</i>	<i>Mesoplasma spermatophilum</i>
<i>Mesoplasma arthritidis</i>	<i>Mesoplasma faucium</i>	<i>Mesoplasma muris</i>	<i>Mesoplasma synoviae</i>
<i>Mesoplasma bovirhinis</i>	<i>Mesoplasma fermentans</i>	<i>Mesoplasma neurolyticum</i>	<i>Mesoplasma citri</i>
<i>Mesoplasma bovis</i>	<i>Mesoplasma gallinaceum</i>	<i>Mesoplasma opalescens</i>	

多種包裝

符合您實驗的需求

Cat No.	Product Description	size
LT07-118	MycoAlert® Mycoplasma Detection Kit	10 Tests
LT07-218	MycoAlert® Mycoplasma Detection Kit	25 Tests
LT07-318	MycoAlert® Mycoplasma Detection Kit	100 Tests
LT07-418	MycoAlert® Mycoplasma Detection Kit	50 Tests
LT07-518	MycoAlert® Assay Control Set	10 Tests

解決方案一

對症下藥~ **即早** 發現即早治療

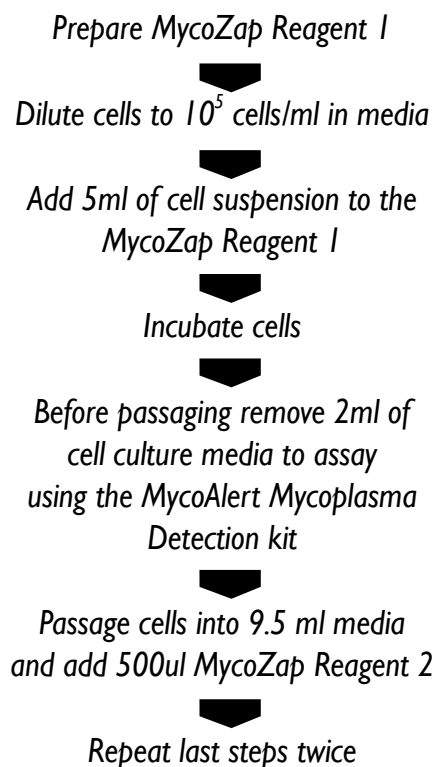
MycoZap™ Mycoplasma Elimination Reagent



當您珍貴稀有的細胞被污染，無法任意丟棄時，MycoZap™ Mycoplasma Elimination Reagent 提供您另一種解決方法，結合 antibiotic 和 antimetabolic 能有效去除黴漿菌的污染，並降低對細胞的傷害。

Simple	只需將試劑加入培養液中培養
Universal	能有效去除 Mollicutes，包括所有 Mycoplasma、Acholeplasma、Spiroplasma 和 Entomoplasma
Thorough	結合 antibiotic 和 antimetabolic 能有效去除黴漿菌的污染
complete	此套組完整包含實驗所需的試劑

流程圖



多種包裝

符合您實驗的需求

Cat No.	Product Description	size
LT07-818	MycoZap™ Mycoplasma Elimination Reagent	1 test kit
LT07-918	MycoZap™ Mycoplasma Elimination Reagent	5 test kit