

# R-MIX™

**Mixed FreshCells™ Format**

## **Rapid Culture of Influenza and Other Respiratory Viruses**

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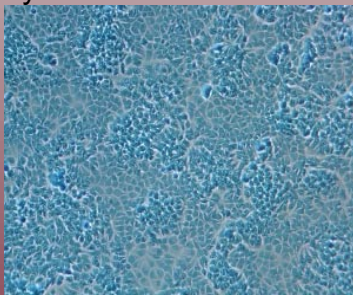


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**A New Diagnostic Test kit for Rapid Detection of Influenza and other Respiratory Viruses which delivers Rapid, Cost-Effective Results.**

R-Mix™ features a patented mixed cell monolayer consisting of human adenocarcinoma cells (strain A549) and mink lung cells (strain Mv1Lu). These cells support the detection of many viruses, in particular those of the respiratory group that includes Influenza A and B, Respiratory Syncytial Virus, Adenovirus, and Parainfluenza Viruses 1,2 and 3. The combination of Mv1Lu and A549 cells coexisting in a single shell vial culture provide a highly sensitive mixture for the culture of all of the above mentioned respiratory viruses.



FreshCells™ is a cell culture delivery system providing ready to use cell monolayers in a shell vial format. Simply exchange the cell maintenance media for re-feed medium and inoculate. FreshCells™ reduce wastage, are available whenever needed and reduce costs.

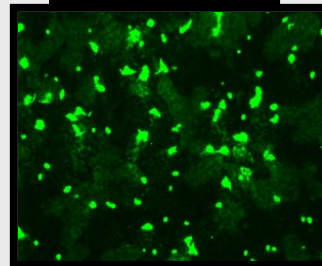
**Optimum Culture Performance -  
Screen and Type in 24 - 48 hrs Post  
Infection**

**Fast - Screen and type in 24 - 48 hours**

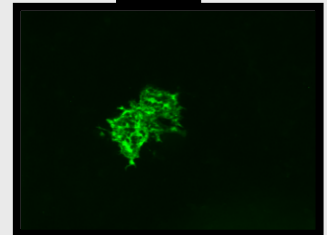
**Simple - eliminates multiple cell types and associated costs and quality issues.**

**Cost Effective - save on labour and consumables**

**Influenza A**



**RSV**



**Should be used in conjunction with  
D<sup>3</sup> DFA Respiratory Virus Screening  
and ID Kit**

**Format** Shell Vial  
**Description** R-Mix FreshCells™



# Detectable Infectious Agents

## A549

Adenovirus

Respiratory Syncytial Virus (RSV)

Influenza

Measles

Mumps

## Mv1Lu

Influenza A and B



The use of R-Mix monolayers for detection of the complete battery of respiratory viruses can be used in different testing protocols. In one application (Yam et al study;CVS '99 abstract), a single R-Mix vial is inoculated and cultured for 2 days. A monolayer cell suspension is produced, and a portion is used to make a smear for testing with a respiratory virus monoclonal antibody "cocktail". If positive by a respiratory virus screen, then multiple smears are prepared to differentiate which virus is present. If negative, no further R-Mix testing is performed. In another application (Schindler et al study;CVS '99 abstract), 3 R-Mix vials are inoculated. One vial is blindly tested at day 1 post-inoculation using a respiratory virus screen; if Positive, a back-up vial is used to prepare a cell suspension for differentiating the specimen. If Negative at day 1, then the remaining cultures are incubated for 3 days and the process is repeated.

Product Code	Description	Pack Size		Storage
96-0102	R-Mix cells	Shell vial with coverslip, glass	Developed for cultivation of respiratory viruses from patient specimens. Mixed cell monolayer containing A549 and Mv1Lu cells	20-26°C
10-330100	R-Mix refeed medium	100 mL	Developed for use with R-Mix cultures. A defined medium with penicillin at 100 units/mL, streptomycin at 100 ug/mL	2-8°C