



CP&MP Real time PCR kit

Product Categories: [Fabricante](#), [Humana](#), [Kit para Transmisión de Patógenos en Vía Respiratoria](#), [Liferiver](#), [PCR](#)

Product Page:

<http://vacunek.com/shop/manufacture/liferiver/cmp-real-time-pcr-kit/>

Product Summary

RD-0224

Product Description

1. Intended Use

By using real time PCR systems, CP & MP real time PCR kit is used for the detection of chlamydia

pneumoniae and mycoplasma pneumoniae in samples like nasal and pharyngeal secretions, sputum,

provoked sputum, bronchial lavage, lung biopsy, pleural effusion and etc.

2. Product Description

Chlamydia pneumoniae is a species of chlamydiae bacteria that infects humans and is a major cause

of pneumonia. The full genome sequence for Chlamydia pneumoniae was published in 1999.

Chlamydia pneumoniae also infects and causes disease in Koalas, emerald tree boa (Corallus

caninus), iguanas, chameleons, frogs, and turtles. Chlamydia pneumoniae is a

common cause of

pneumonia around the world. *Chlamydia pneumoniae* is typically acquired by otherwise healthy

people and is a form of community-acquired pneumonia.

Mycoplasma pneumoniae is an important etiological agent of community acquired infections of

upper and lower respiratory tracts in children and young adults, mainly atypical pneumonia. *M.*

pneumoniae has been reported as the cause of 25-30 % of all pneumonia cases.

This pathogen has

also been associated with non respiratory diseases as meningitis, encephalitis, pancreatitis or

arthritis.

CP & MP real time PCR Kit contains a specific ready-to-use system for the detection of the CP and

MP by polymerase chain reaction (PCR) in the real-time PCR system. The master contains reagents

and enzymes for the specific amplification of *Chlamydia Pneumoniae* DNA.

Fluorescence is emitted

and measured by the real time systems' optical unit during the PCR. The detection of amplified MP

DNA fragment is performed in fluorimeter channel FAM with the fluorescent quencher BHQ1. The

detection of amplified CP DNA fragment is performed in fluorimeter channel HEX/VIC/JOE with

the fluorescent quencher BHQ1. DNA extraction buffer is available in the kit. An external positive

control (1×10^7 copies/ml) allows the determination of the gene load. For further information, please

refer to section 9.3 Quantitation.