



## Simian Virus 40 DNA

**SKU:** QM5074

**Product Categories:** [Fabricante](#), [Humana](#), [Kit para Otras Infecciones Virales](#), [PCR](#), [Vivantis](#)

**Product Page:**

<http://vacunek.com/shop/manufacture/vivantis/simian-virus-40-dna/>

## Product Summary

### Description

The ViPrimePLUS Simian Virus 40 qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Simian Virus 40 genome in clinical (e.g. tissue organs) samples.

(RUO)

Código: QM5074

## Product Description

### Description

The ViPrimePLUS Simian Virus 40 qPCR Kit is a Taqman probe-based real-time PCR assay for the detection of Simian Virus 40 genome in clinical (e.g. tissue organs) samples.

Polyomaviruses are double-stranded DNA virus that is potentially oncogenic as implicated in the name poly (multiple) -oma (tumour). There are 3 polyomaviruses most relevant to human disease, i.e. JC virus, BK virus and Simian Virus 40 (SV40). While SV40 is a common pathogen to monkeys, JC and BK virus are ubiquitous in human where primary infections typically occur in childhood (3-4years old for BK

virus and 7-10years old for JC virus). Signs of infection are mild and asymptomatic. After the initial infection, the viruses established latency in various tissues, especially the renal tissue. Reactivation may occur in immunocompromised individuals resulting in respiratory and urinary tract disease by BK virus and meningoencephalitis by JC virus infection. The potentially tumorigenic SV40 virus was introduced to human population via contaminated polio vaccines produced from SV40-infected monkey cells. Detection of those viruses in the kidney, bone tissues and peripheral blood suggested organ transplantation and blood transfusion as the routes for horizontal transmission in human, aside from the fecal-oral route. ViPrimePLUS Simian Virus 40 qPCR Kit is intended for research use only.

**Kit Component** - SV40 Primers and Probe Mix (SV40 PPM) - Positive Control - Internal Extraction Control Primers and Probe Mix (IEC PPM) - Internal Extraction Control (IEC DNA) - Nuclease Free Water - Template Preparation Buffer **Product Specification**

Technology

Taqman probe-based real-time PCR assay

Type of Nucleic Acid Kit

DNA

Kit Storage

Shipped in room temperature, store at -20°C on arrival

Sample Material

Clinical samples (e.g. tissue organs)

Gene Target

Large T-antigen gene

Detection Limit

10 to <100 copies per reaction

## Sensitivity & Specificity

Ct value  $28 \pm 3$  with probability of 95%

## Controls Included

- Internal Extraction Control (IEC) as inhibition control
- Positive control

## Channels

- FAM channels detect pathogen amplicons
- VIC/HEX channel detects IEC amplicons

## Solicitar Manual

## Product Attributes

- Reacciones: 150 rxns