BIOMÉRIEUX

ARGENE®

REAL TIME PCR ASSAYS - TRANSPLANT RANGE

The power of true experience

BK VIRUS

HHV7

VZV

CMV

HSV2

ADV

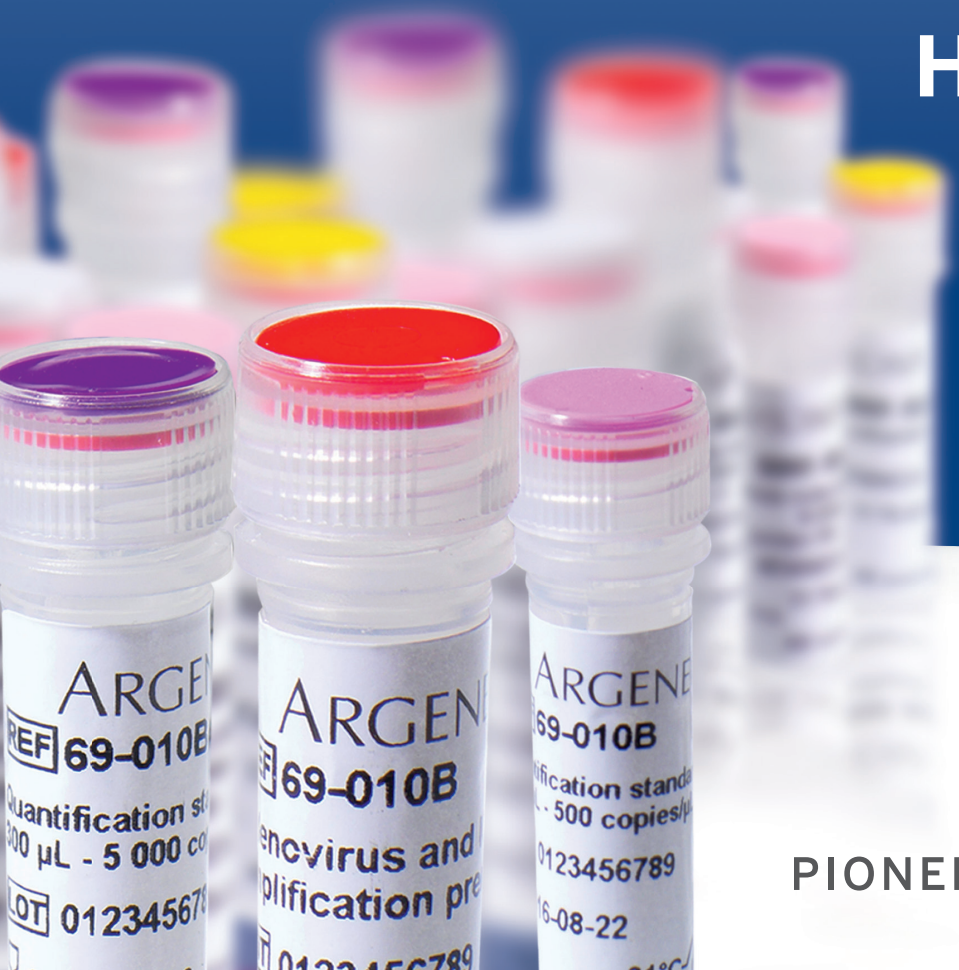
HHV8

EBV

HSV1

PARVOVIRUS B 19

HHV6



PIONEERING DIAGNOSTICS

ARGENE®
CE-IVD REAL-TIME PCR ASSAYS

FOR VIRAL INFECTIONS MANAGEMENT IN TRANSPLANT PATIENTS

Viral infections / reactivations remain a major complication for transplant patients.

Real-Time PCR assays permit rapid and specific detection of various viral infections prior to viral diseases. This is of vital importance in the management of the transplant patients, to prevent rejection and to allow patient survival.

DETECT
ACTIVE VIRAL INFECTIONS

Use of quantitative Real-Time PCR assays to monitor patients, at predefined intervals after transplantation, allows to detect active infections (primary infections and/or reactivations) before symptoms arise (disease), and to initiate adapted therapy (anti-viral therapy and / or adjustment of immunosuppressive therapy). A quantitative follow-up showing a significant increase of the viral load could be a very early predictive indicator of an active viral infection. During treatment, the viral load measurement and its kinetics indicate the effectiveness of the treatment.

Monitoring by quantitative assays is usually done in whole blood or plasma.

DETECT
VIRAL DISEASES

When transplant patients present symptoms that could be associated to viral infections, qualitative or quantitative Real-Time PCR assays allow to identify virus and to initiate adapted therapy.

In this case, qualitative or quantitative assays are usually done on specimens representative of the localisation of symptoms: urine, stool, cerebrospinal fluid, aqueous humor, muco-cutaneous swabs, bronchoalveolar fluid, tissue biopsy...

GET BENEFITS OF ARGENE® SIMPLICITY

- Complete kits
- Ready-to-use reagents
- Same pipetting procedure

EXPERIENCE A SEAMLESS INTEGRATION

- Multi-specimens validated
- Multi-extraction platforms validated
- Multi-amplification platforms validated

EMPOWER YOUR LAB EFFICIENCY

- Common internal control
- Harmonized extraction and amplification protocols
- Multiple target detection from one extracted sample

DETECTED PATHOGENS	CMV	HHV6	HHV7	HHV8	EBV	ADV	BKV	Parvovirus B19	HSV1	HSv2	VZV
Gene target	UL83	U57	U42	ORF26	BXLF1	Hexon	StAg	NS1	US7	US2	gp19
Protocol	Same protocol for all viruses										
Controls included	Extraction / Inhibition Control, Negative Control, Positive Control, Quantification Standards and Sensitivity Control										
Validated specimen*	Whole blood, plasma, serum, cerebrospinal fluid, amniotic fluid, biopsy, urine, bronchoalveolar lavage, tissue, cell culture, gynecological smears, cutaneous and mucous smears, ears nose throats (ent), ophthalmologic samples, stools, bone marrow, medullary plasma										
Validated platforms*	**Extraction** • EMAG® • NUCLISENS® easyMAG® • MagNA Pure 96 • QIAsymphony SP					**Amplification** • ABI 7500 Fast, ABI 7500 Fast Dx • LightCycler 480 (System II) • Rotor-Gene Q • CFX96					
Quantification range	Wide quantification range in agreement with clinical specificities of each virus										
Reporting units	Number of viral copies/mL of samples - Possibility to convert into IU/mL when applicable										
Result within	90 minutes after extraction										
Technology	5'nuclease Technology										
Storage conditions	-15°C / -31°C										
Status	For *in vitro* diagnostic use, CE-IVD marking										

ONE

ELUATE,
whatever the test, thanks to our harmonized Internal Control

EXTRACTION RUN,
whatever the sample type, thanks to our harmonized extraction workflow

AMPLIFICATION RUN,
whatever the test, thanks to our harmonized amplification PCR program

ORDERING INFORMATION

- ARGENE® complete amplification kits

PRODUCT NAME	FEATURES	REFERENCE	NUMBER OF TESTS
EBV R-GENE®	Real time detection and quantification kit	Ref. 69-002B	90 tests
CMV R-GENE®	Real time detection and quantification kit	Ref. 69-003B	90 tests
BK Virus R-GENE®	Real time detection and quantification kit	Ref. 69-013B	90 tests
Parvovirus B19 R-GENE®	Real time detection and quantification kit	Ref. 69-019B	90 tests
ADENOVIRUS R-GENE®	Real time detection and quantification kit	Ref. 69-010B	90 tests
CMV HHV6,7,8 R-GENE®	Real time detection and quantification kit	Ref. 69-100B	140 tests
HSV1 HSV2 VZV R-GENE®	Real time detection and quantification kit	Ref. 69-004B	180 tests

- ARGENE® complementary products

PRODUCT NAME	FEATURES	REFERENCE	NUMBER OF TESTS
HSV1 R-GENE®	Amplification premix	Ref. 71-015	60 tests
HSV2 R-GENE®	Amplification premix	Ref. 71-016	60 tests
VZV R-GENE®	Amplification premix	Ref. 71-017	60 tests
HHV6 Premix R-GENE®	Amplification premix	Ref. 69-100R6	60 tests
HHV7 Premix R-GENE®	Amplification premix	Ref. 69-100R7	20 tests
HHV8 Premix R-GENE®	Amplification premix	Ref. 69-100R8	20 tests
Quanti HHV8 QS R-GENE®*	Quantification Standards	Ref. 68-008	30 tests

*For research use only – Not for use in diagnostic procedure

bioMérieux S.A. • 69280 Marcy l'Etoile • France • Tel.: + 33 (0)4 78 87 20 00 • Fax: +33 (0)4 78 87 20 90
www.biomerieux.com • www.biomerieux-diagnostics.com