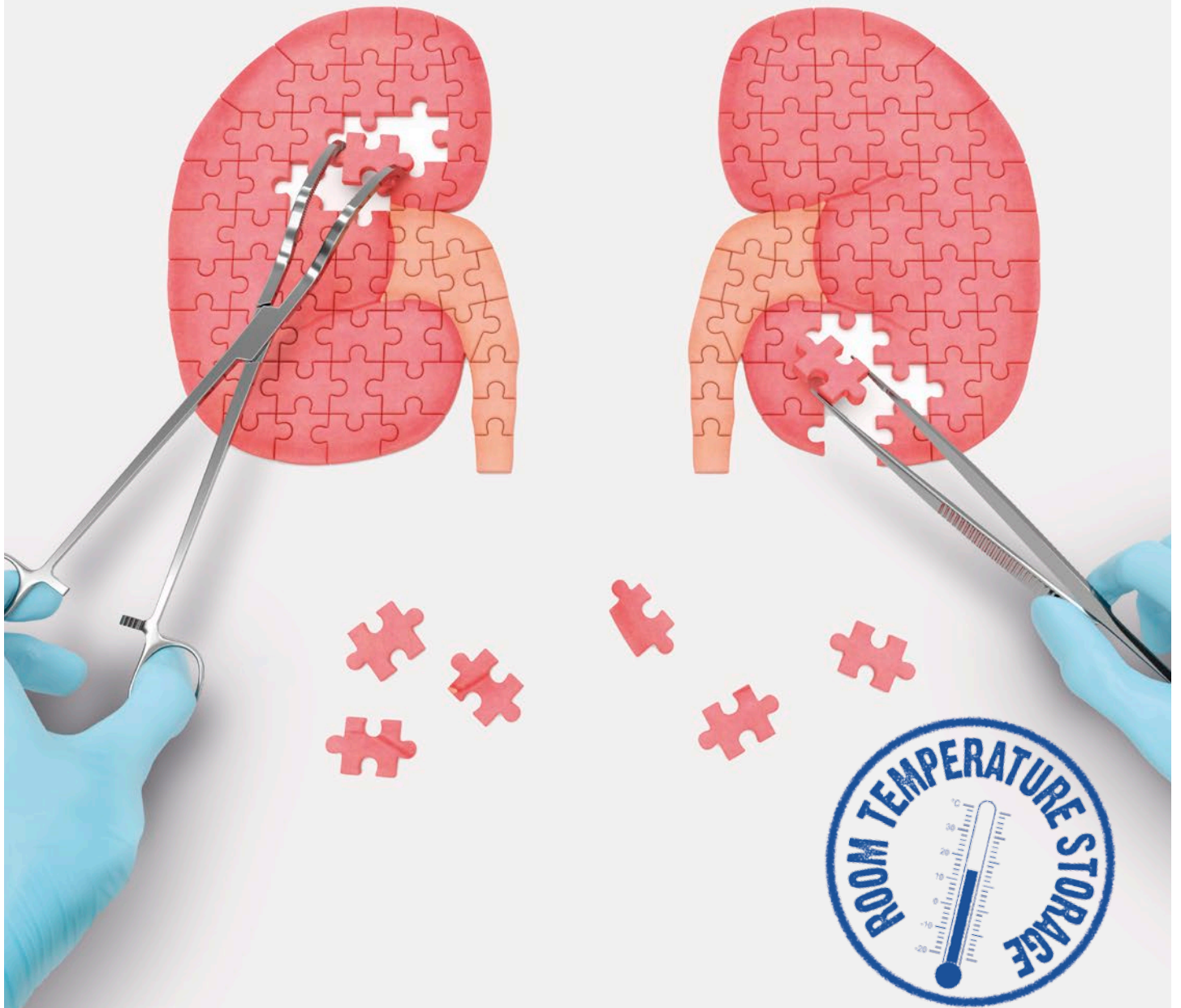


STATONAT®

LAB

BKV

**Lyophilized Real-Time PCR mix for
the detection and quantification of BKV**



SENTINEL
DIAGNOSTICS

BKV



Patent No. W02010133628 A1

Lyophilized Real-Time PCR mix for the detection and quantification of BKV

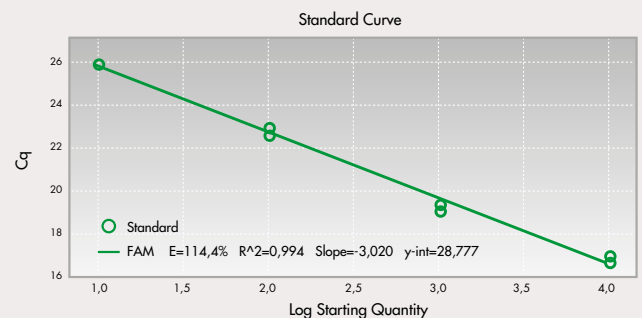
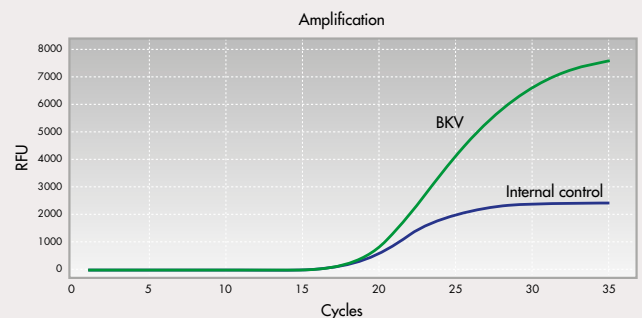
The human polyomaviruses BK Virus (BKV, Polyomavirus hominis 1) is ubiquitous in human populations worldwide. Primary infection with BK generally occurs in early childhood without specific symptoms, with a seroprevalence up to 85% of adults infected globally. BKV is an urotheliotropic virus that becomes latent in the urinary tract after primary infection. BKV reactivation mostly occurs in permissive cells, including renal tubular epithelial cells and the transitional cells of the lower urinary tract. Active replication in the urinary tract typically correlates with a state of immunoincompetence. In the context of immunosuppressive therapy, BKV can cause nephropathy in renal transplant recipients, resulting in tubulointerstitial lesions known as polyomavirus-associated nephropathy or BKV nephropathy and hemorrhagic cystitis in hematopoietic stem cell transplant recipients.

STAT-NAT® BKV kit proved its effectiveness for the detection and quantification of BKV DNA in urine, plasma and whole blood samples. The high-sensitivity and specificity, linearity and quantitation performances of STAT-NAT® BKV kit, associated with the ready-to-use and room temperature storage, are key features for the early and correct management of the affected patients.

Benefits of the kit:

- Detection and quantification of BK virus specific DNA
- Ready to use kit including internal Control and Calibrators
- Useful for monitoring the level of infection
- Compatible with several types of samples: urine, plasma and whole blood

STAT-NAT® BKV	
Specificity	≥95%
Analytical sensitivity (LoD)	5 cps/reaction



Ref.	Description	Kit size	Validated on
1N012	STAT-NAT® BKV Lyophilized Real-Time PCR mix for the detection and quantification of BKV	48 tests	<ul style="list-style-type: none"> • CFX96 (Bio-Rad) • QS5 (ABI)

<p>Room temperature storage STAT-NAT® is freeze-dried and guarantees long term storage at room temperature.</p>	<p>Easy STAT-NAT® contains all the reaction components. The enzyme (Hot Start Polymerase) is already included.</p>	<p>Universal STAT-NAT® technology yields very good performances in all the most diffused molecular biology techniques.</p>
<p>Performance improvement STAT-NAT® is a ready-to-use product that minimizes analytical variables.</p>	<p>Flexible STAT-NAT® can improve test sensitivity even with low concentrated DNA samples.</p>	<p>Environmentally sustainable STAT-NAT® needs neither cumbersome packaging nor temperature controlled shipment.</p>

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