



## Polyomavirus BK

Your molecular genetic test system for quantitative detection of polyomavirus BK from EDTA plasma and urine.



### Your benefits of using FluoroType® BKV

- **Reliable quantification:** Viral load assessment in IU/ml (WHO International Standard) requires only two quantification standards. Virus concentrations beyond the limit of quantification are evaluated as qualitative results.
- **User-friendly:** Minimal hands-on time with automated DNA extraction for an efficient workflow. Quantification standards are recorded only once per kit lot. Interpretation of results is performed automatically by the **FluoroSoftware**.
- **Fast and dependable results:** Internal controls monitor test performance from sample preparation to amplification and detection. Reliable test results are available within only three hours.
- **Maximum flexibility:** A universal test protocol allows combination with further parameters of our virology portfolio. Single samples as well as high sample numbers can be analyzed efficiently according to your needs.
- **CE-marked:** No need for elaborate validation studies.

### Polyomavirus BK

Polyomaviruses are spread worldwide among the human population with a seroprevalence of up to 80%. Primary infection with polyomavirus BK (BKV) in early childhood is usually asymptomatic. The virus establishes lifelong latency in cells of the urinary tract and kidneys. In immunosuppressed patients (e. g. after organ transplantation) however, virus reactivation may lead to severe complications and even renal failure.

### Fast and reliable diagnostics with FluoroType® BKV

Close monitoring of BK viral load is of utmost importance in order to identify and evaluate potential virus reactivation at an early stage. Suitable therapeutic measures can thus be met before complications and irreversible organ damage occur. Therefore, a general BKV screening in regular intervals is advised after transplantation or complications.



### Innovative Technology

Viral DNA is extracted automatically from EDTA plasma or urine with the **GenoXtract®** instrument followed by amplification, detection and quantification of characteristic target sequences with real-time PCR using the **FluoroCycler®** instruments. Internal controls monitor test performance from sample preparation to test result. Reliable BK viral load assessment in International Units (IU/ml according to NIBSC WHO International Standard) requires only two quantification standards, which are determined once per kit lot, eliminating the need for standard measurements with each run. Additionally, virus concentrations beyond linear quantification range are evaluated as qualitative results. Interpretation of results is performed automatically by the **FluoroSoftware**, for reliable test results within only three hours.

**For further information please contact Hain Lifescience or your local distributor!**

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