

Montania 483



*Real-Time PCR Instrument,
Barcode tracking,
48 samples,
3 filters...*

Diagnostic applications; using **bosphore** *kits.*

IVD CE

Anatolia
geneworks

Prelude...

It is well known that the accuracy of the thermal cycles and achieving temperature uniformity between tubes, so that all samples undergo the same thermal conditions, are prerequisite for a reliable PCR reaction.

Key to a precise and sensitive quantification analysis lies in the error-free detection and analysis of low levels of fluorescence.

In order to realize these fundamentals, Montania™ 483 is equipped with substantial structural features to meet the requirements and expectations of both diagnostic and research fields.

Temperature distribution of $\pm 0.1\text{ }^{\circ}\text{C}$ throughout the whole thermal block, a LED light which is capable of exciting with constant intensity during its practically lifelong use, fiber optic translation of every emission read-out and a PMT module system that enables exquisite measurement via physical amplification of each photon's energy



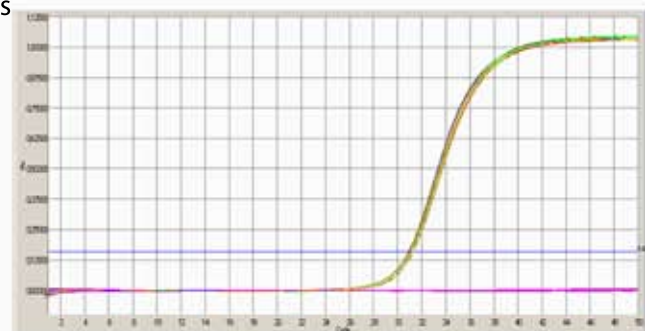
And the outstanding software that allows manual optimization in addition to its automated analysis option, completes the picture...

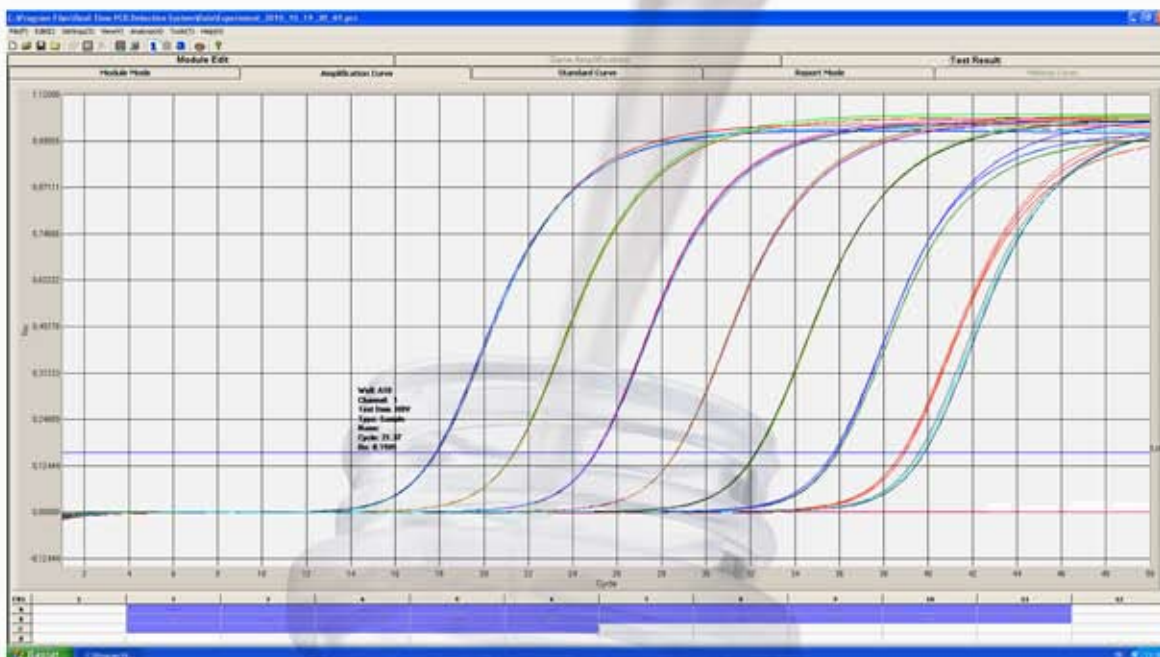
The result is...

No background noise, no need for calibration; Inter-instrument, and inter-well variation below 0.4 CT; A superior performance where standard curve correlation coefficients of 0.999 are regarded as ordinary, in addition to reliable, sensitive and reproducible studies;

A perfect colleague that undertakes all the cumbersome work, with its automated configuration and optional barcode reader system...

A graph demonstrating the overlapping amplification curves of 16 HBV DNA standards (1X10⁴ IU/ml) and 4 negative controls that were tested in four separate instruments.





A standard curve with a correlation coefficient of 0.99968 demonstrating the amplification of 3 replicates of 8 HBV DNA dilutions encompassing the range $1 \times 10^1 - 2,1 \times 10^7$ IU/ml and a negative control.



bosphore

In addition to its sensitivity, Bosphore™ kits are designed and optimized to create a totally reliable system, applying critical criteria such as specificity and detection of all viral genotypes.

Bosphore™ kits, along with Montania™ and Magnesia™, are developed considering clinical demands and laboratory applications, creating a complete solution compatible with the workflow and optional barcode sample tracking system, which is the key to a high quality diagnostics system.



Bosphore™ Real-Time PCR Kits

Microbiology Panel

Bosphore HBV Quantification Kit v1
Bosphore HCV Quantification Kit v1
Bosphore HIV-1 Quantification Kit v1
Bosphore CMV Quantification Kit v1
Bosphore HDV Quantification Kit v1
Bosphore Parvovirus B19 Quantification Kit v1
Bosphore EBV Quantification Kit v1
Bosphore HSV 1-2 Genotyping Kit v1
Bosphore HSV 1-2 Quantification Kit v1
Bosphore West Nile Virus Quantification Kit v1
Bosphore JCV Quantification Kit v1
Bosphore BKV Quantification Kit v1
Bosphore JCV-BKV Quantification Kit v1
Bosphore TTV Quantification Kit v1
Bosphore MTBC Detection Kit v1
Bosphore MTBC Quantification Kit v1
Bosphore *C. trachomatis* Detection Kit v1
Bosphore Brucella Detection Kit v1

Molecular Genetics Panel

Bosphore FVL Detection Kit v1
Bosphore MTHFR C677T Detection Kit v1
Bosphore MTHFR A1298C Detection Kit v1
Bosphore Prothrombin Detection Kit v1
Bosphore JAK2 Detection Kit v1



Main area of interest and the basis for the existence of our company is R&D.

All your requests to obtain information about our continuously developing kit panels, new products and versions, new design requests, or academic study collaborations will be responded with sincere interest.



Anatolia Tanı ve Biyoteknoloji A.S.

Kasap İsmail Sok. No:13/23 34722 Kadıköy/İSTANBUL

Tel: +90 216 330 04 55 Fax: +90 216 330 00 42

info@anatoliagenetworks.com

info@anatoliagenetik.com

Anatolia
geneworks

www.anatoliagenetworks.com

www.anatoliagenetik.com