



Genetic Technology Instrumentation

GTI-PCR Reader-G

PCR can be used to measure the quantity of DNA or RNA in a clinical sample. The quantitative PCR (Q-PCR) is very useful in diagnosis and monitoring response to treatment in infectious or malignant diseases. Q-PCR is mostly done by real time monitoring of amplification requiring expensive equipment. GTI-PCR Reader-G provides a cheap solution for Q-PCR by measuring the end point fluorescence after doing PCR in an ordinary thermal cycler by fluorescent labeled probes. GTI PCR Reader-G is designed to read the green endpoint fluorescence (512 nm) in a PCR reaction vial with volume as low as 12ul. The fluorescence is measured through data acquisition software installed on a computer. Known positives and negatives can be used to obtain accurate quantitative PCR results.

- End point qualitative and semi-quantitative analysis of FAM and SYBR green labeled PCR products
- 0.2 ml PCR tube format
- Sample volume 12-30 μ l
- Approximately 10 sample reads per minute
- User friendly software for data acquisition, analysis and reporting
- Linear correlation between GTI-Green PCR Reader and real time PCR for 100 copies/ml to 300,000 copies/ml ($r=0.998$)
- Wide range of applications in PCR of infectious diseases and malignancies for example HCV, HBV, Dengue, TB, Malaria, Leukemia, Lymphomas etc.



No.	Green Image	Reading	Value	Result
1		77	3	Negative
2		329	255	Positive
3		89	15	Negative
4		356	282	Positive
5		341	267	Positive
6		85	11	Negative
7		397	323	Positive
8		321	247	Positive
9		253	179	Positive
10		194	120	Positive
11		148	74	Positive
12		74	0	Negative

Genetic Technology Instrumentation
(GTI)

Phone: +92-51-5167312

E-mail: info@grcpk.com

www.grcpk.com