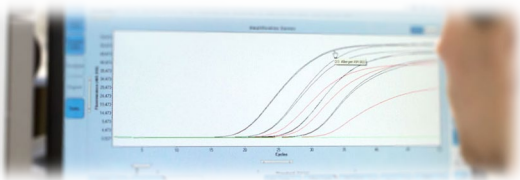


Ultra-Fast Real-Time PCR in **Less Than an Hour**

Introduction

Since PCR invention in 1985, it has become a well-established method for amplification of double-stranded DNA.

A typical PCR process consists of three steps conducted at different temperatures: denaturation at 95°C, annealing at 50°C and extension at 72°C. It is desired that the transition time between different temperatures should be as short as possible to avoid formation of non-specific byproducts and to reduce the thermal stress on the polymerase. The most popular PCR systems are based on Peltier element technology. With the recent infectious diseases outbreak, food scares and environmental cases, it is necessary to develop ultrafast molecular assays enabling rapid and sensitive diagnoses.



ALS Malaysia is part of the ALS global laboratory group and is an ISO 17025 accredited laboratory equipped with state-of-the-art facilities. We provide testing services to various government and private sectors across the world.

Technology



Portable Ultra-Fast Real-Time PCR instrument.

GENECHECKER® Model UF-150 Real-time PCR System is a fast and affordable qpcr platform that will accelerate your PCR applications. Its patented chip-based design and ultra-fast ramping provides extremely rapid output to enable 40 cycles in 20 minutes a reality.

It has a small footprint(20cm x 20cm x 12.5cm) and light weight ideal for lab as well as on-site testing environments use with battery operation possible using optional power cable.

Besides DNA applications, One-step reverse transcriptase PCR available for RNA applications.

Please contact us to discuss your analysis requirement and we will assist you with the proposal.

E: yap.chenloon@alsglobal.com (Mr. CL Yap)
M: +6012-5556523

