G-STORM™

GS482

PREPARE FOR THE G-STORM™

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L'innovation au Service de la Recherche

G-STORM™

GS482

THE GS 482 THERMAL CYCLER is an ideal solution for scientists looking to maximise their research funds, and invest in a cycler that offers real flexibility and functionality.

The two independent 48 well blocks, both with sprung heated lids that adapt to both tubes and high profile 48 well plates within the GS482 enables two programs to be run independently or one program simultaneously on both blocks. Either way, the GS482 provides two block functionality at an incredible price point.

Both thermal blocks for the GS482 have 2 independent temperature control sensors and 4 peltier heating units, ensuring that temperature control and uniformity across the block surface is accurate and reproducible time after time, cycle after cycle. With the addition of Active Sample Cooling (ASC) ensuring that samples are cooled until the heated lid reaches its target temperature, therefore reducing non-specific primer binding and extension, the G-Storm 482 is protecting your samples even before your protocol has begun.

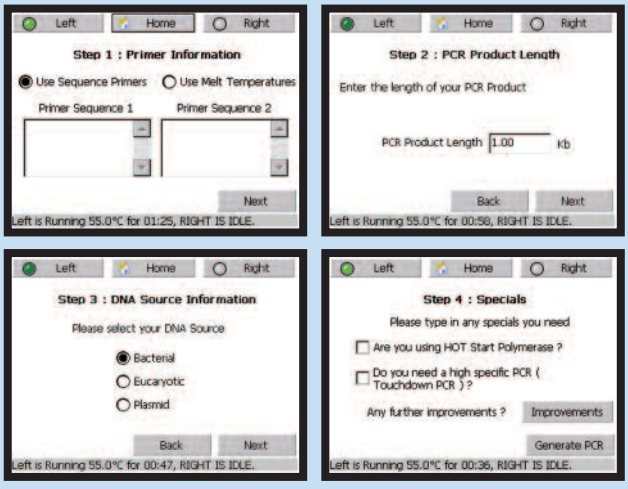
Want gradients? Who wouldn't?! The GS482 has the ability to run gradient programs on both or either thermal blocks as a standard feature. Simply enter a gradient step into your protocol, and the GS482 will generate a gradient over 8 columns. If you want a wider gradient range, then use both blocks!

As part of the G-Storm family of the thermal cyclers, the GS482 benefits from the same software architecture as the other products in the G-Storm range. The GS482 uses windows CE as its control platform with a 3.5" full colour touch screen. Users are able to store up to 1000 programs within the onboard software. In addition, users can utilise G-Storm's PC version of the software to generate programs remotely, and then simply transfer via a USB stick to the thermal cycler.

"The thermal cycler solution for cutting-edge molecular biologists."

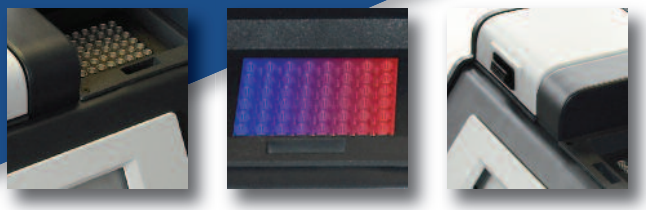
GS482's "Home Page" is central to the control of the cycler's various functions. Select the various options, including Wizard, Program and Start on the touch-screen and let the software take you through a logical process that enables you to do what you want to do in easy, simple to follow steps.

The icon driven programming is simplicity itself. Simply select the command that you require and add it to your program and enter your parameters when prompted. This method enables both complex and simple protocols to be entered with steps that include Gradient and Touchdown steps.



The superb "Program Wizard" function uses primer sequences or primer melting temperatures to calculate your protocol for you. By entering this information, product length and any other "special" information, over just five steps, the wizard will present an ideal program based on this information within a few clicks, you are ready to go!

"The GS482 is the perfect thermal cycler solution for your demands – a good looking, multi-function workhorse."



THE NEW BENCHMARK FOR PROGRAMMING AND CONTROL

Users have the choice to enter known programs manually or utilise the fabulous Program Wizard. The program wizard function and in-built primer algorithms remove the requirement to manually calculate the ideal protocol for your experiment. Simply enter your primer sequences or melting temperatures (TM's) and let the wizard do the rest! Manual programming utilises icon driven commands that enable quick, clear and intuitive protocol inputs. Even utilising G-Storm's gradient function effectively is simple.

In short, the GS482 is the ideal system for labs requiring a solution for low to medium throughput PCR and/or multi-user functionality.

FEATURES

- **2 independent thermal blocks**
- **Gradient on both or either block**
- **Sprung heated lids**
- **Active sample cooling**
- **Easy to use**
- **Perfect for smaller throughput labs**

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