

# Hain Lifescience Instrumentation



For processing of the **GenoType** and **GenoQuick**<sup>®</sup> product series in modern diagnostic laboratories

For the implementation of the **GenoType** and **GenoQuick**<sup>®</sup> product series, Hain Lifescience offers you easy-to-use equipment. Your daily lab routine becomes more simple and reliable: The automated hybridization instrument **GT-Blot 48** enables the simultaneous processing of up to 48 samples. For manual hybridization of up to 12 samples the custom-made **TwinCubator** is available for you. Additionally, the **GenoScan**<sup>®</sup> system is the optimal solution for your automated evaluation and result interpretation of the **GenoType** and **GenoQuick**<sup>®</sup> assays.



**Efficient • Reliable • Fast • User-friendly**



## Manual hybridization of 12 samples

### TwinCubator: Your manual hybridization of 12 samples

Developed especially for the requirements of the products based on the **DNA•STRIP** technology of Hain Lifescience, the **TwinCubator** offers laboratories a rapid and simple hybridization platform. The **TwinCubator** is the ideal partner for the manual performance of the **GenoType** products.

### Your benefits with the TwinCubator:

- **High temperature accuracy:** High-quality Peltier elements guarantee accurate heating and cooling rates and thus enable optimal hybridization conditions.
- **High level of safety:** Dry incubation prevents contamination; an important advantage in contrast to conventional water baths.
- **User-friendly:** Pre-programmed temperature profiles as well as acoustic signals for required changes of reagents simplify the hybridization procedure.
- **Small footprint:** **TwinCubator** does not require a large surface and is thus the ideal solution for cramped spaces.

### Technical Data:

External dimension:	27.5 x 32.5 x 21 cm (W x D x H)
Weight:	12kg with removable block
Power supply:	100 - 240V, 48 - 62Hz AC
Test capacity:	up to 12 samples
Temperature range:	4 - 105°C in 1°C increments
Operating temperature:	4 - 40°C
Heating rate:	0.3°C/sec
Cooling rate:	0.2°C/sec
Number of programs:	9 with up to 20 steps



## Automated hybridization of 48 samples

### GT-Blot 48: Your fully automated instrument for hybridization of up to 48 samples

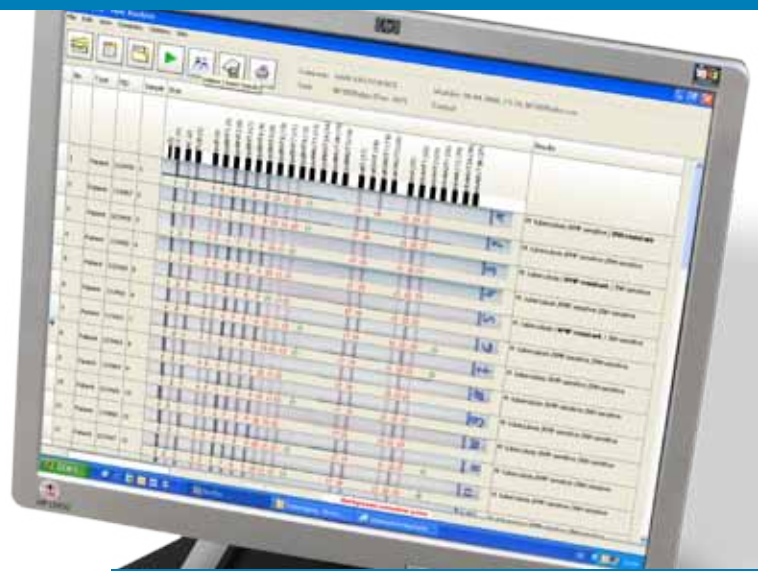
**GT-Blot 48** is a fully automated instrument for all **GenoType** test systems. The **GenoType** assays are based on the principle of reverse hybridization. Here, single-stranded amplicons bind specifically to the probes on the **DNA•STRIP**. This step can be fully automated with the **GT-Blot 48**. The synchronized processing of the **GenoType** products also allows parallel performance of various test parameters. Thus, maximum utilization of the equipment is possible. This allows laboratories to process samples more efficiently.

### Your benefits with GT-Blot 48:

- **Time savings:** The fully automated hybridization saves you valuable time. Simultaneous processing of up to 48 samples, provides efficient processing of small or large runs.
- **Accurate temperature control:** By using a novel heating system, the reaction tray can be preheated to the required temperatures. This ensures optimal hybridization conditions.
- **High level of safety:** Dry incubation prevents contamination; an important advantage in contrast to conventional water baths.
- **Easy-to-use:** High-quality system components, color-coded reagent containers, as well as user-friendly software enables an easy use.

### Technical Data:

External dimensions:	64 x 62 x 45 cm (W x D x H)
Weight:	45 kg
Power supply:	220 - 240V Europe 100 - 120V USA, 50/60Hz
Dispensing channels:	up to 6 channels
Test capacity:	up to 48 samples
Dispense volume range:	1.0 - 4.0 ml
Operating temperature:	18 - 24 °C



## Automated evaluation and result interpretation

### GenoScan®: Your automated evaluation of GenoType and GenoQuick® assays

The **GenoScan®** system has been especially developed for the rapid and reliable result interpretation of the **GenoType** and **GenoQuick®** assays. After the hybridization of the **GenoType** assays, the **DNA•STRIPs** can be read and analyzed directly in the incubation tray. The **GenoQuick®** strips are applied to a custom-made template and then placed in the reader. The **GenoScan®** software enables an objective and fast analysis of the test strips. The results are comprised electronically and can be exported to a connected LIMS. Therefore, manual pasting and storage of the developed strips is not required anymore.

### Your benefits with the GenoScan®:

- **Fast and objective evaluation:** The **GenoScan®** system provides a fast and straightforward evaluation of the Hain Lifescience assays. Also for complex banding patterns an objective evaluation is possible.
- **Safe documentation:** The electronic data collection as well as the connection to your lab computing (e.g. work lists or LIMS connection) ensure a reliable documentation.
- **User-friendly:** The **GenoScan®** software is easy-to-use and the objective analysis of the strips reduces user interpretation errors.
- **Cost-effective:** The automated evaluation saves time and is the perfect solution for high throughput performance.

### Technical Data:

Scan capacity:	<b>GenoType</b> products: up to 48 strips <b>GenoQuick®</b> products: up to 24 strips
External dimension:	60 x 38 x 11 cm (W x D x H)
Weight:	17 kg
Power supply:	100 - 240V, 50 HZ, 0.4A
Operating temperature:	15 - 35 °C

Further information is available directly from Hain Lifescience or from your local distributor!

## Hain Lifescience GmbH

Hardwiesenstraße 1 | D-72147 Nehren  
Tel.: +49 (0) 74 73- 94 51- 0 | Fax: +49 (0) 74 73- 94 51- 31  
E-Mail: [info@hain-lifescience.de](mailto:info@hain-lifescience.de) | [www.hain-lifescience.de](http://www.hain-lifescience.de)

