

## Meridian

### Meridian – liquid dispensing instrument

The Meridian liquid dispensing system, provides a non-contact, on-the-fly dispenser suited to a wide range of dispensing applications and capable of delivering 1  $\mu$ L of PCR mastermix into a 1536-well plate in under 40 seconds.

Originally developed to increase throughput and add efficiency to our own high-volume genotyping service laboratories, the Meridian system is now utilised in our customer laboratories worldwide. The Meridian is available in 1 and 8 tip configurations and can be used in aspirate and dispense modes.



#### High Speed Dispensing

High speed motion control, unique tip design and high frequency dispensing valves are key features in the Meridian design. The innovative tip design provides both strength and cost efficiency through elimination of the potential for cross contamination whilst also removing the requirement for disposable pipette tips.

The Meridian is supplied with either a intuitive graphical user interface or integrated into our proprietary Kraken software for ease of use and simplified pattern dispensing via drag and drop selection.

#### Why choose the Meridian?

- Dispensing volumes from 1ul to 25ul standard configuration (other volume ranges on request)
- Bulk dispensing option on request
- Operates in both aspirate and dispense modes
- Integrated tip wash station
- Available in 1 or 8 tip configurations
- Full software control from simple to use interface or low level text scripts

## Ease of use and cost efficiency

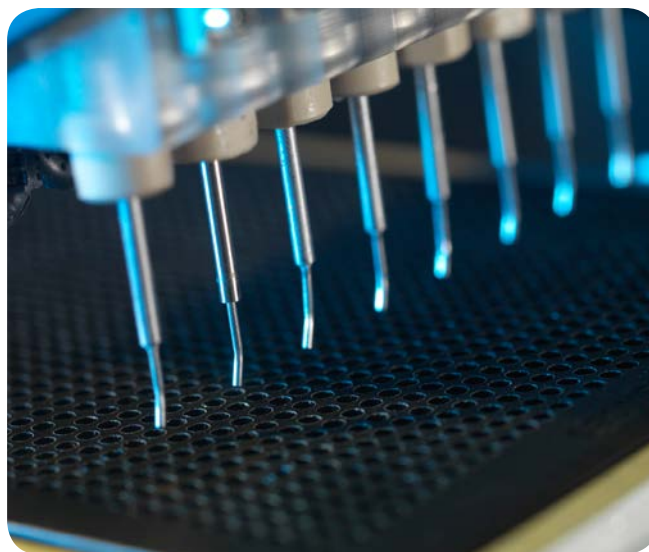
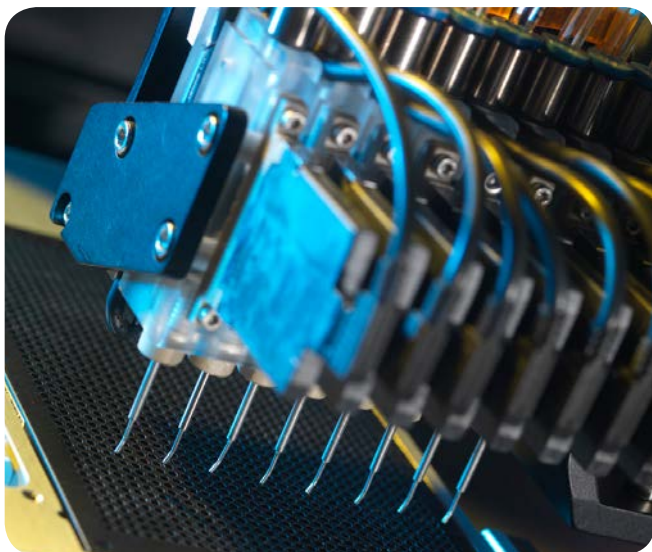
- No disposable tip cost
- Robust valve design with customer feedback in excess of 4 million dispenses
- Non-contact dispense eliminates cross contamination
- High speed aspiration and dispensing
- Dispense 1  $\mu$ L samples into 1536-well plate in less than 40 seconds
- Low dispensing volume variance 1ul-3ul accuracy of <10% and 3ul upwards <5%
- Simple pattern dispensing using intuitive software interface
- Integrates seamlessly into SNPLine for automated solution.

## Ordering information

Cat. No.	Description
KBS-0002-001	8 channel Meridian - liquid handling system
KBS-0002-002	1 channel Meridian - liquid handling system
KBS-0025-001	2-dimensional Cyclops compact single tube scanner
KBS-0025-003	1-dimensional handheld barcode scanner
KBS-0026-001	K-trak 2-dimensional tube scanner
KBS-8002-004	Decontaminate MicroSol 3+ Concentrate 1Ltr
KBS-8002-005	Decontaminate MicroSol 3+ Concentrate 500ml
KBS-0900-011	Meridian 1 channel 12 month contract
KBS-0900-013	Meridian 8 channel 12 month contract

## Complementary products

Further information on our full range of laboratory instrumentation and automation solutions is available from your local LGC Genomics representative. Our portfolio includes the modular SNPLine automated genotyping system to enable the generation of large genotyping data sets with complete flexibility.



[www.lgcgroup.com/genomics](http://www.lgcgroup.com/genomics) • [genomics@lgcgroup.com](mailto:genomics@lgcgroup.com)

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