

# Kube

## Microtitre plate heat sealing system

Microplate sealing is an important process in many laboratory applications. The Kube™ is the latest generation heat sealing instrument developed by our laboratory instrument specialists who have more than 15 years experience in the development of plate sealing technologies. The Kube provides unsurpassed reliability, speed, flexibility and performance.



### The Kube - ultimate seal integrity using heat

- Seal and re-seal your plate up to five times (depending on seal of choice)
- Suitable for application to a wide variety of plate formats (24-, 48-, 96-, 384-, and some 1536-well\* plates)  
\*Note: For optimum sealing efficiency of 1536-well plates, we recommend the Fusion<sup>3</sup>™ laser seal technology for improved performance
- Allows sealing of microplates for storage, PCR or other reactions
- Can be used to seal with optically clear material

### Why choose the Kube?

- Plate heights 9-45 mm with universal plate nest design
- Typical 6-8 sec plate sealing cycle
- 265 mm diameter film-roll (capable of 4500+ seals)
- Automation friendly portrait or landscape plate presentation
- Simple to use, intuitive touch screen operation
- Enables stored methods for different sealing conditions and seal length
- Minimal instrument footprint conserves valuable bench space
- Capable of high rim plate sealing

### Flexibility and throughput

The Kube system is an integral part of LGC's laboratory operations, enabling us to provide assays which require:

- Elevated temperature assays or extended incubation times
- Long term plate storage
- Multi-step aliquoting from master plates
- Elimination of evaporation based edge effects
- The delivery of permanent hermetic seals
- Coloured seals for light sensitive contents
- Optical clarity

## Kube Specifications

<b>INSTRUMENT DIMENSIONS</b>	Depth: 31.3 cm (12.3") Width: 31.0 cm (12.2") Height: 31.3 cm (12.3")
<b>INSTRUMENT WEIGHT</b>	Approx. 28 kg (61.7 lbs)
<b>ELECTRICAL REQUIREMENTS</b>	110/220 V, 6 A
<b>AIR REQUIREMENTS</b>	Compressed air: 6 bar (90 psi), 90 L/min
<b>CERTIFICATIONS</b>	CE

## Ordering Information

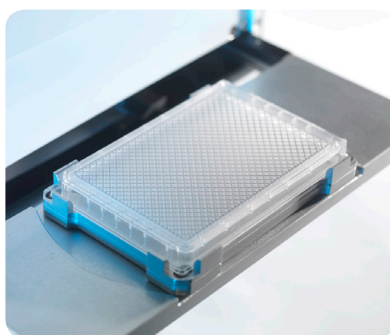
Cat. No.	Description
KBS-0005-001	Kube heat plate sealer
KBS-0007-001	Fusion <sup>3</sup> laser welder
KBS-0001-002	96-well plate Kube adaptor
KBS-0001-003	384-well plate Kube adaptor
KBS-0900-010	Kube 12-month service contract

## Consumables

Cat. No.	Description
<b>Plates</b>	
KBS-0750-001	384-well plate black pre-barcoded (box of 20)
KBS-0751-001	1536-well plate black pre-barcoded (box of 20)
<b>Heat Seals</b>	
KBS-0608-001	Clear Seal 3730 (610 m x 78 mm)
KBS-0605-001, -004, -005	Clear Seal (550 m x 78 mm; 125 m x 78 mm; 350 m x 115 mm)
KBS-0607-002, -003	Super Optic Version 2 (610 m x 78 mm; 500 m x 115 mm)
KBS-0604-001	Foil Seal (125 mm x 78 mm)
KBS-0611-001, -002, -003	DMSO Resistant Peel Seal (500 m x 78 mm; 500 m x 115 mm; 125 mm x 78 mm)
KBS-0601-001, -005, -006	Peel Seal (610 m x 78 mm; 500 m x 115 mm; 125 mm x 78 mm)
KBS-0603-001, -004, -005	Pierce Seal (610 m x 78 mm; 125 mm x 78 mm, 500 m x 115 mm)
KBS-0609-001, -004, -005	Thermal Bond (500 m x 78 mm; 300 m x 115 mm; 125 mm x 78 mm)

## Complementary products

A comprehensive range of thermal and laser plate seals suitable for heat sealing is available at a very competitive price. We also have a portfolio of microtitre plates in 384- and 1536-well densities suitable for a full suite of assay types and detection systems. Whatever your seal requirements, our extensive portfolio of seals for many different applications is sure to include a format that meets your needs.



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