OmniGene In-Situ : take the guesswork out of In-Situ / Hybaid Limited.

Contributors

Hybaid (Firm)

Publication/Creation

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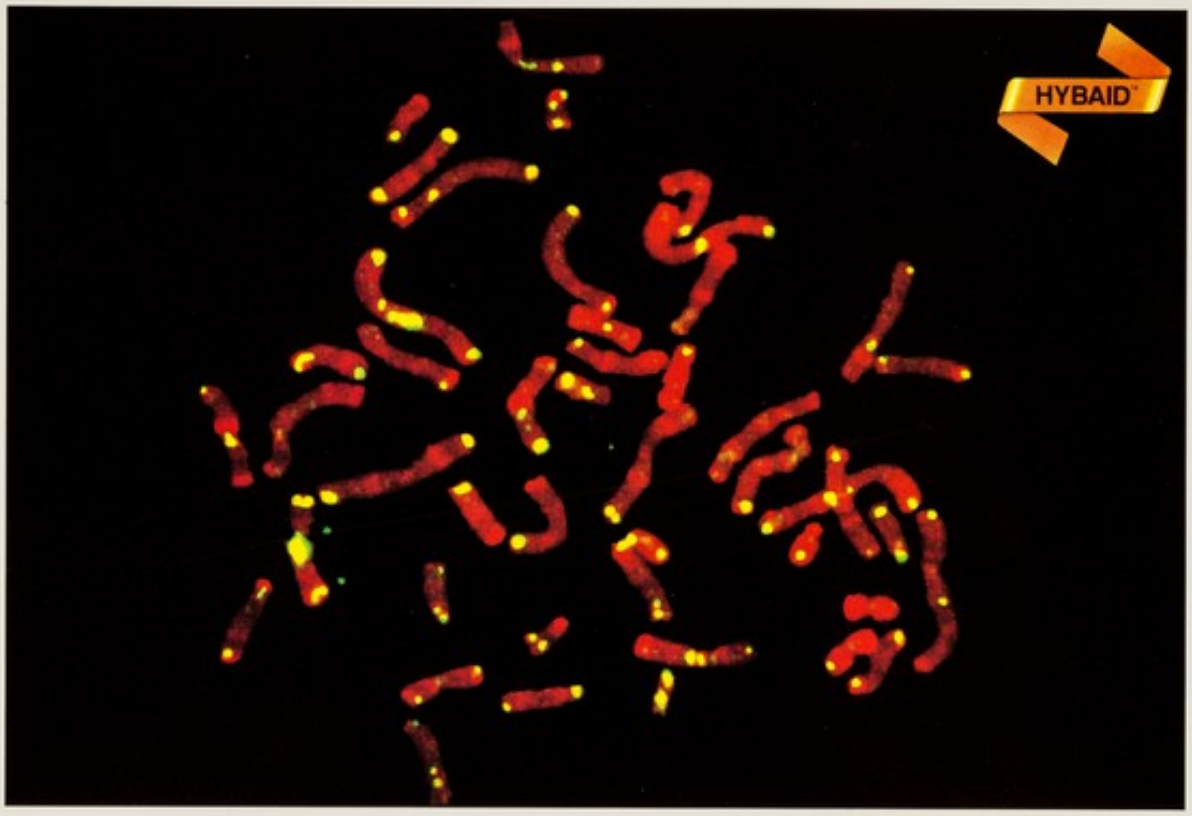


OmniGene In-Situ

Take the Guesswork out of In-Situ

OmniGene's In-Situ flat block guarantees reproducible, high resolution in-situ results. Ideal for both thermal cycling and hybridisation, it is the first flatblock system to ensure absolute control of slide sample temperature.

Solid Silver Flatblock

Perfect contact between slide and block ensures rapid uniform heat transfer.

Unique Humidity Chamber

OmniGene In-Situ's removable humidity chamber preserves your samples' integrity throughout incubation periods by minimising evaporation of reaction solutions.

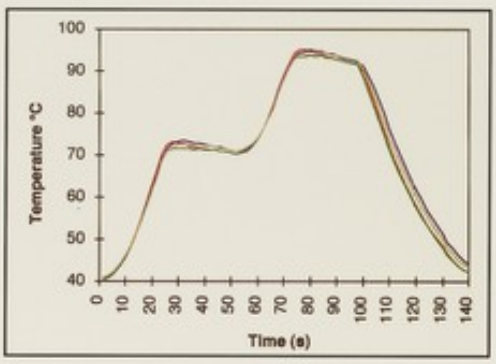
Versatile Modular Design

Complementing OmniGene's design, the In-Situ block is available as a Control Module or a Satellite.

Absolute Control of Sample Temperature

OmniGene's in-situ software has been developed to ensure temperatures and incubation times programmed are achieved on the slide itself.

The figure below illustrates the temperature profiles of all four slides independently monitored on the block.



MAIN PICTURE: Results from the OmniGene In-Situ

Results of the Cycling-PRINS method developed by Dr John Gosden of the MRC Human Genetics Unit in Edinburgh (in press) using the OmniGene In-Situ Flatblock. A telomere-specific oligonucleotide was used to identify telomeric sequences, visible at the tips of the chromosomes. Following amplification through 10, 20 and 30 cycles using the Hybaid In-Situ Flatblock (cycles: 95°C, 1 minutes, 60°C, 1 minutes, 70°C, 3 minutes) the signals were intensified, more telomeres were illuminated, and additional, internal sites were labelled. Some of these internal sites appear to be identical to known fragile sites, some of which represent ancestral telomeres.

SPECIFICATION - OMNIGENE IN-SITU

In-Situ Flatblocks - Catalogue No:	
Control In-Situ Module	HB-TR3-CMFB-220 or HB-TR3-CMFB-110
Satellite Module 3 (Single In-Situ Block)	HB-TR3-SM3
Satellite Module 4 (Double In-Situ Block)	HB-TR3-SM4
Satellite Module 5 (Single In-Situ Block & Single 96 Well Block)	HB-TR3-SM5
Block Component:	Silver
Block Capacity:	Four 76 x 26 x 1 mm microscope slides or equivalent
Temp Control:	Simulated tube control with glass slide correction factor* Block control
Slide to Slide Dynamic Temp Uniformity:	Better than ±1°C*
Humidity Chamber:	
Catalogue No	HB-TR3-HC
Construction	Polycarbonate
Max Temp	120°C

* Based on 1 mm glass slides (76 x 26 mm)

(PLEASE NOTE: Existing OmniGene Control Module users, who have purchased their unit before November 1st 1992, will require an EPROM upgrade, Cat No: HB-TR3-EPU1)

HYBAID™

One step ahead in molecular biology

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