

# hyborg – ALL IN ONE, ONE FOR ALL, FULLY AUTOMATED.

**Anagnostics' hyborg is a fully automated and integrated device for processing and analysing cylindrical DNA and protein microarrays (hybcells). hyborg integrates thermocycler, hybridisation station and scanner in a single device.**

**hyborg's** versatility makes no difference between DNA or protein microarray applications.

All processing steps - from temperature profiles or exchange of liquids to multi-color scanning - are freely configureable by the scientific user and controlled and documented by a PC.

**hyborg's** concept of totally integrated automation guarantees maximum reproducibility of assays. Autonomous processing of up to 96 hybcells reduces hands-on-time to a minimum and provides maximum ease of use. Seamless electronic documentation of operation and states fulfils highest quality assurance requirements.

**HYBORG PROCESSES COMPLEX KINETIC DNA AND PROTEIN ASSAYS FULLY AUTOMATICALLY AND PROVIDES UTMOST REPRODUCIBILITY AND EASE OF USE.**

#### **KINETIC + AUTOMATIC**

- Derive binding kinetics by analyzing consecutive scans
- Computer-controlled temperatures, exchange of buffers, scans..

#### **REPRODUCIBLE + EASY TO USE**

- Preassigned and thus reproducible starting temperature
- Robust hybridisation due to rotational sample agitation
- Highly reproducible timing
- Fully automated handling of up to 96 samples

Read more:  
[www.anagnostics.com](http://www.anagnostics.com)



# Data Sheet

## ARRAY

Spotting area:   
Surfaces:   
Incubation volume:

4 cm<sup>2</sup> (up to 10.000 spots)  
Protein or DNA binding  
250µl...300µl

## LIQUIDS

Number of available liquid reservoirs:   
Automated cleaning:

5 bottles  
During initialisation and shut-down

## HEATING / COOLING

Temperature range:

4°C to 95°C

## OPTICS

Excitation wavelengths:   
Read-out colors:

532nm, 635nm (473nm optional)  
Up to 5 colors  
2 colors minimum (Cy3, Cy5..)

## ENVIRONMENT AND POWER

Operating temperature:   
Operating humidity:   
Power Supply:   
  
Power Consumption:

15°C...30°C  
20%...60% rHu.  
120...230V (+/- 10%)  
50 / 60 Hz  
max. 480W  
10W (Standby)

## GENERAL

Weight:   
Dimensions (L / H / W):   
Electromagnetic emission:   
Safety standard:

40kg (without liquids)  
635 / 546 / 573mm  
EN61326, emission class B  
EN61010-1

## OPTIONS

Barcode scanner  
Stacker for batch processing:

96 hybcells