

HybriScan™- Rapid Test Systems

For Detection and Identification of Microorganisms in Food, Beverages and Water

Use HybriScan for comprehensive and reliable routine control of microbial contamination in food production, from raw materials to finished goods. Utilizing "SELF-contained" technology, **HybriScan** is based on the detection of microbe-specific rRNA using sandwich hybridization. The signal read-out is triggered optically by an enzymatically-generated color change.

Sensitive and specific – the method is based on molecular genetic identification

Easy – no PCR required, quantitative without cell counting, uses standard laboratory equipment

Low-cost – economical, high throughput, 96-well microplate format

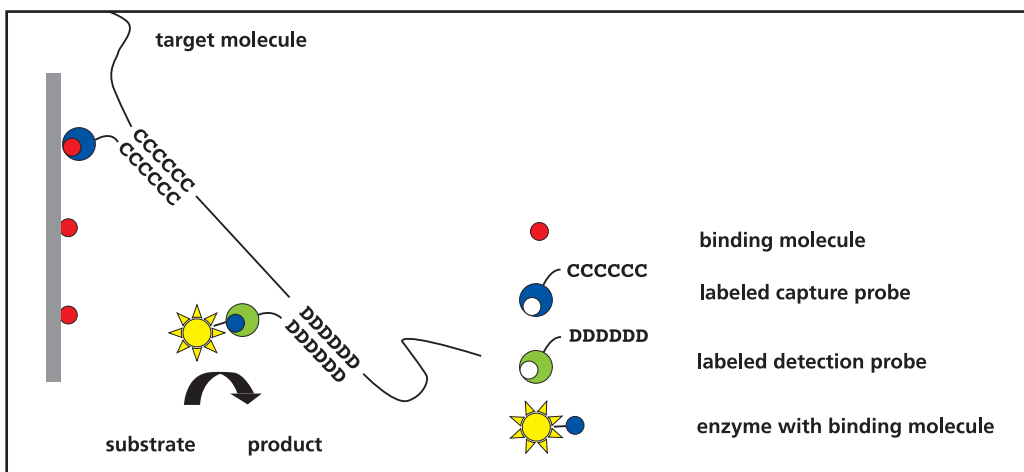
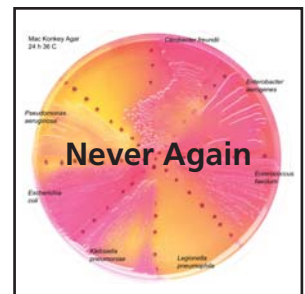
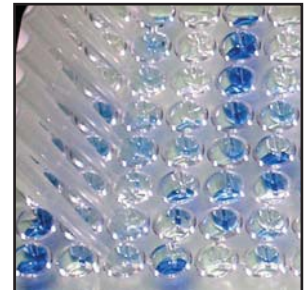
Fast – results obtained in under 3 hours

The BENEFITS of HybriScan relative to conventional methods:

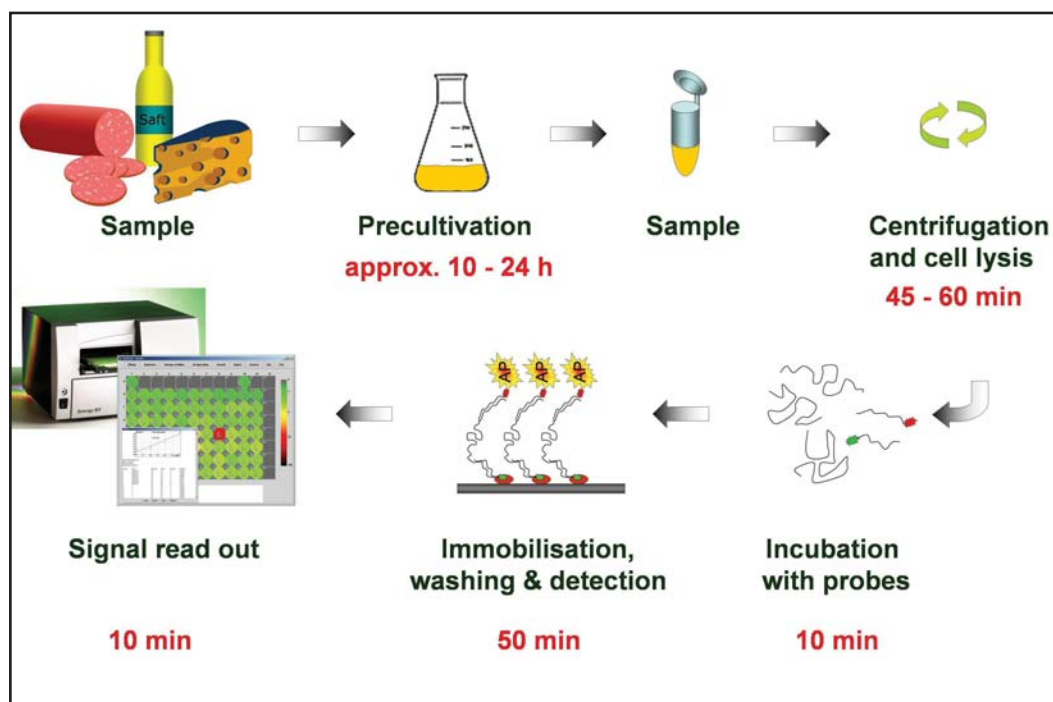
- Rapid, sensitive and reliable (without PCR)
- Time savings of up to 10 days compared to cultivation-based assays
- Discriminates between live and dead cells
- High flexibility (group- or species-specific detection)
- Robust system not affected by the sample matrix

By applying specific probes, **HybriScan** enables both group-specific and species-specific detection of spoilage microbes. Its flexibility permits detection of a customized array of microorganisms based on the specific application. **HybriScan** is ideal for safety and quality control of alcoholic and non-alcoholic beverages, water and food. Specific examples include the detection of food-borne pathogens like *Salmonella*, *Campylobacter* and *Listeria*, and counting of *Legionella* in water, including the most relevant species, *L. pneumophila*.

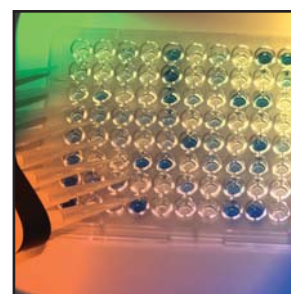
- High throughput of up to 96 samples by means of well-plate format
- Easy handling using standard laboratory equipment
- Minimal sample preparation required
- Results are quantitative by using standards



How it works:



Fluka
Analytical



More Information about HybriScan™:

E-mail: flukatec@sial.com
Internet: www.sigma-aldrich.com/hybriscan

Austria
SIGMA-ALDRICH HANDELS
GmbH
Tel: (+43) 1 605 81 10
Fax: (+43) 1 605 81 20

Belgium
SIGMA-ALDRICH NV/SA.
Free Tel: 0800 14747
Free Fax: 0800 14745
Tel: (+32) 3 899 13 01
Fax: (+32) 3 899 13 11

Czech Republic
SIGMA-ALDRICH S.R.O.
Tel: (+420) 246 003 200
Fax: (+420) 246 003 291

Denmark
SIGMA-ALDRICH DENMARK A/S
Tel: (+45) 43 56 59 10
Fax: (+45) 43 56 59 05

Finland
SIGMA-ALDRICH FINLAND OY
Tel: (+358) 9 350 9250
Fax: (+358) 9 350 92555

France
SIGMA-ALDRICH CHIMIE S.à.r.l.
Free Tel: 0800 211 408
Free Fax: 0800 031 052
Tel: (+33) 474 82 28 00
Fax: (+33) 474 95 68 08

Germany
SIGMA-ALDRICH CHEMIE
GmbH
Free Tel: 0800 51 55 000
Free Fax: 0800 64 90 000
Tel: (+49) 89 6513 0
Fax: (+49) 89 6513 1160

Greece
SIGMA-ALDRICH (O.M.) LTD.
Tel: (+30) 210 994 8010
Fax: (+30) 210 994 3831

Hungary
SIGMA-ALDRICH Kft
Ingyenes zöld telefon: 06 80
355 355
Ingyenes zöld fax: 06 80 344
344

Tel: (+36) 1 235 9055
Fax: (+36) 1 235 9050

Ireland
SIGMA-ALDRICH IRELAND LTD.
Free Tel: 1800 200 888
Free Fax: 1800 600 222
Tel: (+353) 1 404 1900
Fax: (+353) 1 404 1910

Italy
SIGMA-ALDRICH S.r.l.
Numero Verde: 800 827018
Tel: (+39) 02 3341 7310
Fax: (+39) 02 3801 0737

The Netherlands
SIGMA-ALDRICH CHEMIE BV
Free Tel: 0800 022 9088
Free Fax: 0800 022 9089
Tel: (+31) 78 620 5411
Fax: (+31) 78 620 5421

Norway
SIGMA-ALDRICH NORWAY AS
Tel: (+47) 23 17 60 60
Fax: (+47) 23 17 60 50

Poland
SIGMA-ALDRICH Sp. z o.o.
Tel: (+48) 61 829 01 00
Fax: (+48) 61 829 01 20

Portugal
SIGMA-ALDRICH QUÍMICA, S.A.
Free Tel: 800 202 180
Free Fax: 800 202 178
Tel: (+351) 21 924 2555
Fax: (+351) 21 924 2610

Spain
SIGMA-ALDRICH QUÍMICA, S.A.
Free Tel: 900 101 376
Free Fax: 900 102 028
Tel: (+34) 91 661 99 77
Fax: (+34) 91 661 96 42

Sweden
SIGMA-ALDRICH SWEDEN AB
Tel: (+46) 8 742 4200
Fax: (+46) 8 742 4243

Switzerland
SIGMA-ALDRICH CHEMIE
GmbH
Free Tel: 0800 80 00 80
Free Fax: 0800 80 00 81
Tel: (+41) 81 755 2828
Fax: (+41) 81 755 2815

United Kingdom
SIGMA-ALDRICH COMPANY
LTD.
Free Tel: 0800 717 181
Free Fax: 0800 378 785
Tel: (+44) 1747 833 000
Fax: (+44) 1747 833 313
SAFC (UK) Free Tel: 0800 71
71 17

Internet
sigma-aldrich.com

KPD / 07.2008