

# Connected to

... REPRODUCTION BIOTECHNOLOGIES

# EasyKit™

.....  
READY-TO-USE FLOW CYTOMETRY ASSAYS



## Simplify your life

- Ease of use
- Time saving
- Repeatable results
- Safe handling



### Ease of use

- Use only the number of required wells
- Working base tailored for all plate systems



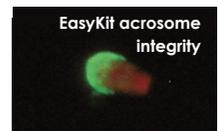
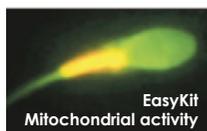
### Time saving

- Eliminate fluorochrome aliquoting, preparation and distribution of mix

## EasyKit™ RANGE

- 96 well-plates with breakable strips
- Ready-to-use and safe thanks to lyophilized fluorochromes
- Validated for bovine and swine semen diluted in egg-yolk based or egg-yolk free media
- Intense fluorescence for easier population identification
- Usable with tubes flow cytometer or 96-well plate cytometer.

EasyKit	Results
Viability or concentration	Percentage of viable spermatozoa
Mitochondrial activity	Percentage of spermatozoa with polarized mitochondria
Oxidation Molecule D	Oxidation level of spermatozoa
Viability and acrosome integrity	Percentage of viable or dead spermatozoa with intact or disrupted acrosome
Bacterial concentration	Concentration of live and dead bacteria





### Repeatable results

- Error-free mix preparation
- Minimize technician effect



### Safe handling

- Reduce fluorochrome handling
- No direct contact with highly concentrated fluorochromes

## Solutions to analyze bacterial contamination

Bacterial contamination: an important economic risk for AI studs and breeding farms.

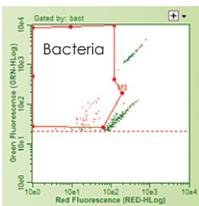
- Could result in infertile matings (1)
- Could initiate a serious outbreak of disease in a recipient herd (1)

(1) Swine disease transmissible with artificial insemination. Thacker et al.

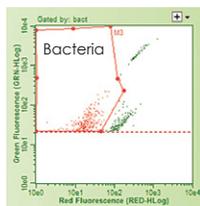
	Flow cytometry	Agar plate
Result turnaround time	<b>20 minutes</b>	3 days
Results	<b>Live AND dead bacterial count</b>	Live bacteria count only
	<b>Precise concentration (x bacteria/ml)</b>	Subjective concentration (around x FCU/ml)

### Snapshots of bull semen samples diluted in egg yolk medium

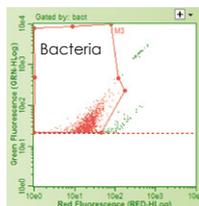
Low bacterial contamination



Medium bacterial contamination



High bacterial contamination



## Each EasyKit contains:

- 5 x 96-well plates with lyophilized fluorochromes
- 1 working base
- 1 black lid
- 1 user manual

Ref	Product name	Analysis count
024708	EasyKit viability or concentration	480
024864	EasyKit mitochondrial activity	480
025157	EasyKit oxidation Molecule D	480
025293	EasyKit viability and acrosome integrity	480
025402	EasyKit bacterial concentration	240
022162	Easybuffer A	Buffer for clear media
023862	Easybuffer B	Buffer for egg yolk media
023862	Easybuffer C	Buffer for bacterial test



### EasyCyte II Plus

1 laser and 5 parameters  
(FSC + SSC + 3 colors),  
96-well plate platform  
+10 positions for tubes  
**Ref. 022841**



### EasyCyte II Mini

1 laser and  
5 parameters  
(FSC + SSC + 3 colors),  
for tubes  
**Ref. 022843**



### EasyClean

Washing solution  
**Ref. 024760**



**Easysoft fertility**  
**Ref. 025379**

**Easysoft**  
**Ref. 024842**

