

# Connected to

... REPRODUCTION BIOTECHNOLOGIES

*Many breeders and stud have trusted in the efficiency of the INRA 96 for years.  
Thanks to its high performance, an estimated three million foals have been born since its introduction.*

## INRA 96



- Improves preservation
- Maintains the fertility potential up to 48 hours.
- Sterile and ready-to-use, it is formulated using the purified fraction of milk micellar proteins that have proven to highly protect sperm cells.
- Contains antibiotics (Penicillin 27 mg/l - Gentamycin 76 mg/l) and a fungicide (Amphotericin B)
- pH:  $6.9 \pm 0.2$   
Osmolarity:  $315 \pm 15$  mOsm/l

**INRA 96** preservation results obtained after 24 hours preservation demonstrate that the fertility of some stallions was improved by preserving their semen at 15°C (Batellier et al.). This is hence an alternative for stallions whose semen cannot withstand the harmful effects of the cold shock induced by reducing the temperature to 4°C. These results indicate that

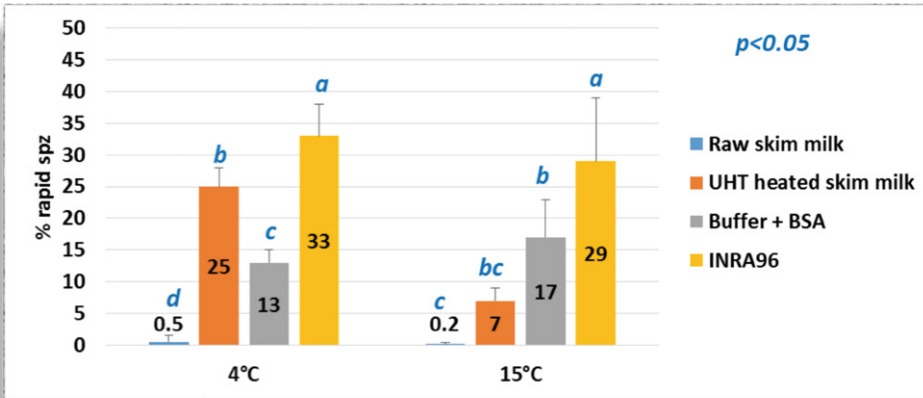
**INRA 96** can be used at temperatures of both 15°C and 4°C, in line with requirements and depending on stallion semen quality.

Moreover, the results obtained after 72 hours preservation demonstrate the feasibility of preserving semen in **INRA 96** for more than 24 hours prior to insemination (Le Frapper et al.).



## Proven efficiency

Figure 1 - Effect of milk fractions obtained on sperm survival, after 48h storage at 4°C and 15°C, respectively, as estimated by percentage of rapid spermatozoa



## References

### EFFECT OF MILK FRACTIONS ON SURVIVAL OF EQUINE SPERMATOZOA

F. Batellier, M. Magistrini, J. Fauquant, E. Palmer  
Theriogenology 498:391-410, 1997

### DELAYED INSEMINATION IS SUCCESSFUL WITH A NEW EXTENDER FOR STORING FRESH EQUINE SEMEN AT 15°C UNDER AEROBIC CONDITIONS

F. Batellier, G. Duchamp, M. Vidament, G. Arnaud, E. Palmer, M. Magistrini  
Theriogenology 50:229-236, 1998

### SPERM MOTILITY AND FERTILITY OF COOLED PRESERVED STALLION SEMEN IN EITHER INRA96 OR EQUIPRO COOLGUARD EXTENDER

G. Ferdoka, G.M. Davolli, B.A. Ball, E.L. Squires, M.H.T Troedsson  
Proceedings of the Society for Theriogenology Annual Conference 2014 Aug. 6-9, 2014

### TEMPERATURES FROM 4 TO 16°C ARE SUITABLE FOR PRESERVING THE FERTILIZING CAPACITY OF STALLION SEMEN STORED FOR 22H OR MORE IN INRA96 EXTENDER

Vidament M., Magistrini M., Le Foll Y.  
Theriogenology 2012 jul 15;78(2):297-307

### COMPARISON OF VARIOUS EXTENDERS FOR STORAGE OF COOLED STALLION SPERMATOZOA FOR 72 HOURS

L. LeFrappier, L. Watson, C.S. Whisnant  
Journal of equine veterinary science vol 30, N°4 (2010)

## Quality

INRA 96 is manufactured by IMV Technologies in a CGMP facility, working under ISO9001:V2015. Each batch is tested with live semen.

