

## PHARMACOLOGICAL STUDIES RESULTS OF HSPs DOSAGE IN SPORTS TEAMS TREATED OR NOT WITH PRESERVATION®

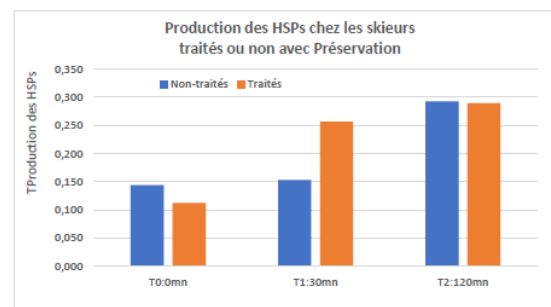
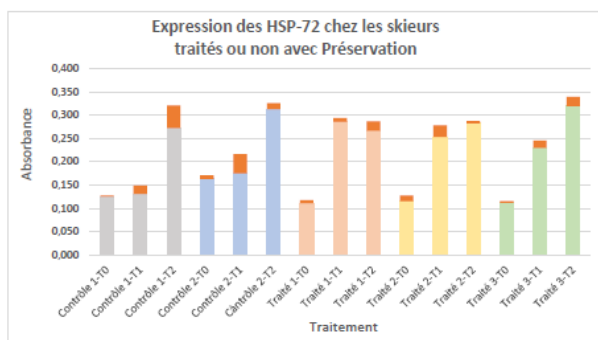
### Pre-conditioning protocol with Preservation® :

Individuals treated with Preservation took 2 tablets each at least 2 hours before the sporting event. Blood samples were taken from two groups of athletes, one treated with Preservation (OFI) and the other without treatment (control) to compare the responses of each group to physical exertion. Blood samples were taken at T0 (before the start of the sport event), T1 (30 minutes after the start of the event) and T2 (120 minutes after the start of the event). As soon as they were collected, the blood samples were transported to the laboratory in a cool place for the determination\* of heat shock proteins (HSP-72).

*\*Each analysis is done in triplicate.*

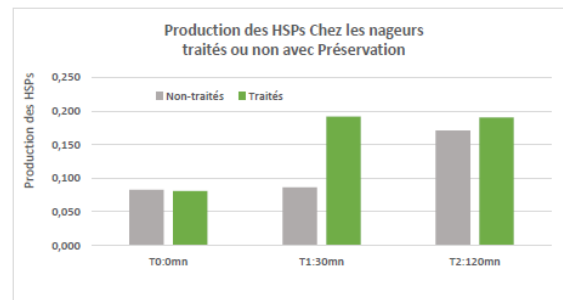
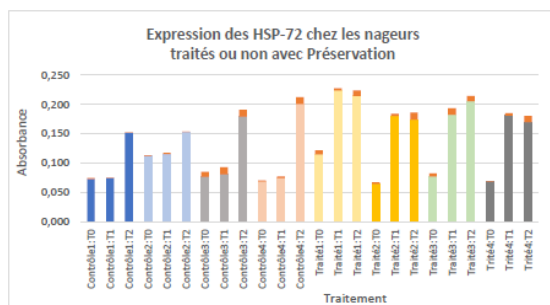
### 1- TEAM OF SKIERS :

$n = 5$



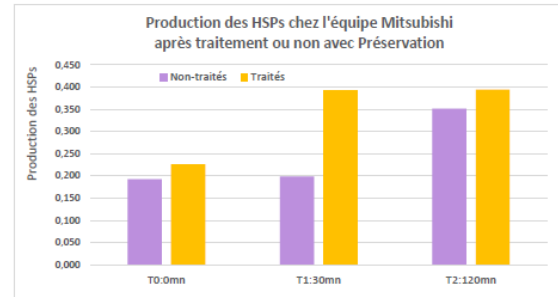
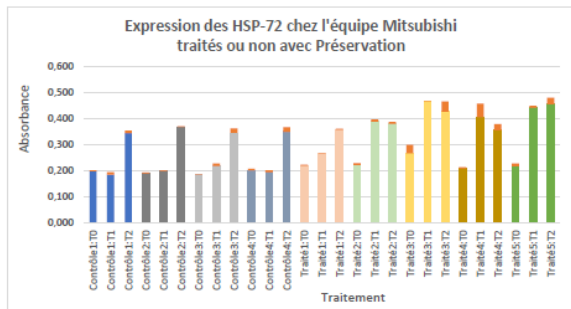
### 2- SWIMMERS' TEAM:

$n = 8$



### 3- TEAM MITSUBISHI :

$n = 8$



The results show an increase in the expression of HSPs after 2 hours from the start of the sport event in all participants. This is a normal physiological response to physical stress. In contrast, after 30 minutes from the start of the exercise, the increase in HSP levels was only observed in athletes who took Preservation® tablets. Preconditioning with Preservation® had the effect of accelerating the appearance of HSPs in the blood in response to exercise. This early appearance of HSPs provides the body with **better protection against the damage that physical stress can cause, allowing for rapid recovery.**