# Velocity returns clean blood test

## INTRODUCTION

Due to the ability of transdermal carnosine *(VELOCITY)* to prevent declines in performance during sustained efforts and to aid in recovery from strenuous effort, this formulation is ideal for horses that compete in racing, show-jumping, polo, or other events. Equine (horse) events are highly regulated and require robust blood testing of any chemical intervention. Therefore, we conducted a temporal series of blood tests post application of Velocity™, which were tested through a certified, independent, laboratory that specializes in equine blood tests.

## METHODS

**Protocol:** A horse was volunteered for the test. A baseline blood sample was obtained and *VELOCITY* was applied to the horse. The horse then competed and Velocity™ was applied again immediately post competition to augment recovery. A blood sample was obtained 60 minutes after the recovery application. Blood samples were then obtained from the horse 24 hours and 48 hours post-recovery (Figure 1).
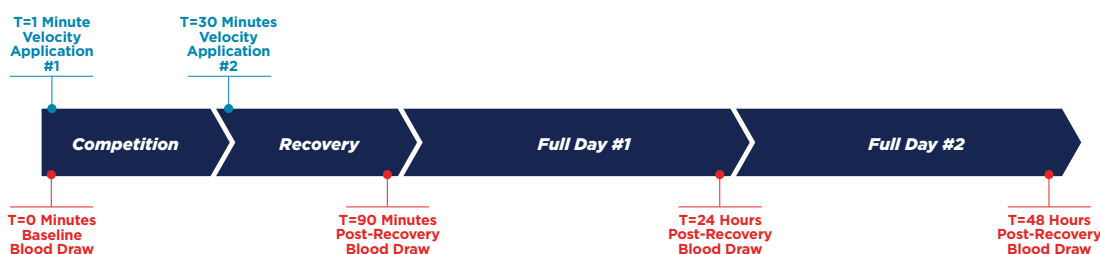


**Figure 1:** Graphic depiction of the application and blood draw protocol.

**Blood Sample Assay:** In total, four blood samples (baseline, 90 minutes, 24 hours, and 48 hours post second application) were obtained by an independent, third-party equine specializing veterinarian practice, Miller and Associates Veterinarians. Samples were immediately processed and shipped to a third party testing agency (Center for Tox Services, Inc). Samples were tested by enzyme linked immunosorbent assays (ELISAs) for all chemicals listed in Table 1.

### Table 1: List of all chemicals tested

| | | | |
|---|---|---|---|
| Albuterol | Flunixin | Phenylbutazone | Dexamethasone |
| Eltenac | Methocarbamol | Clenbuterol | Meclofenamic Acid |
| Mepivacaine | Butorphanol | Ketoprofen | Romifidine |
| Acepromazine | Fluphenazine | Promazine | Diclofenac |
| Flumethasone | Pentazocine | Detomidine | Meloxicam |
| Methylprednisolone | Carprofen | Lidocaine | Xylazine |
| Betamethasone | Isoxsuprine | Reserpine | |

## RESULTS

All four blood samples were found to be free of all chemicals/drugs that were tested for by ELISA as described in Table 1. This demonstrates that at every point during the testing procedure, the application *VELOCITY* returned as a clean blood test.

## CONCLUSIONS

*VELOCITY* conveys no risk of resulting in a positive blood test for any, but not limited to, the following chemicals listed in Table 1.