

# ACULIFE™

Shumpert K. *Single-site, Open-label Study Testing Horses for traces of Performance Enhancing Drugs (PEDs) post-AcuLife application.* Submitted for 2013 publication.

## **Safety issues:**

- No adverse events were reported.

## **Patch instructions and study procedures:**

- Acupoints tested:
  - Bladder 28
  - Bladder 23
  - Large Intestine 16
  - Bladder 13
  - Bladder 10
- Five horses were tested for entry into this study with the goal of showing that AcuLife patches do not release any performance enhancing drugs in the animal's body.
- Horses were qualified for entry into after PEDs testing determined the horses were PEDs free.
- Horses wore the LifeWave AcuLife patches daily for a period of five continuous days and were tested after for trace of performance-enhancing drugs.
- Blood samples were drawn and tested for trace of Albuterol, acepromazine, betamethasone, butorphanol, clenbuterol, detomidine, dexamethasone, flumethasone, flunixin, fluphenazine, isoxsuprine, lidocaine, mepivacaine, methyl prednisolone, pentazocine, promazine, reserpine, romifidine, acetylsalicylic acid , benzocaine, ephedrine, furosemide, ibuprofen, ketorolac, ketoprofen, meclufenamic acid, methyl phenidate, methocarbamol, naproxen oxyphenbutazone, phenylbutazone, phenylpropanolamine, procaine, and xylazine.
- Sample testing was conducted by Center for Tox Services using Enzyme Linked Immunosorbent assay (ELISA) and Thin layer chromatography or TLC.

## **Efficacy of patches in this study:**

- All horses tested were declared to be free of the tested for drugs.
- Horses were continuously monitored for signs of distress or discomfort and under the care of a veterinarian. No detectable signs of discomfort were detected during the five days of wearing the patches, even while simultaneously wearing five sets.

*Assessment: AcuLife patches are used for the treatment of pain in horses and can be used without fear on introducing PEDs in the horse, especially in times of competition.*