

Matrix Therapy Products - Information on the MCT Patch

Everything You Need to Know About the MATRIX MCT PATCH

What It Is

The Matrix MCT Patch is a battery-operated, disposable microcurrent unit for 24/7 pain relief and to promote the bodies own healing mechanisms. Studies have shown that microcurrent promotes Type 1 collagen production, not Type 3 (scar tissue) in tendons and ligaments reducing the incidence of chronic degeneration and re-injury.

The MCT Patch is a drug-free treatment that is easy to use and store. The patches are safe around water and provide an average of 200 to 500 hours of use. The MCT Patch can be used on any part of the horse and offers the benefits of microcurrent therapy.

Note: Do not use on pregnant animals. Do not place directly over open wounds. And do not use to treat laminitis.

Red Light Tells You It's On

One side of the circuit houses a small battery and a red light indicator. When applied, the red light comes on and when removed and put back on the plastic storage sheets the red light automatically turns off, indicating the unit is powered down.

Light stays on after removal. This sometimes occurs due to the moisture in the equine environment. The patch is not being ruined and no substantial amount of battery is being used, it is just the bulb that is lit. Patch needs to be laid out to dry before being stored on its plastic sheet.

How long the Matrix MCT Patch lasts

The MCT Patches will last 200-500 hours. If the patch is left on 24/7, which is important to do for some injuries, then the patch is working harder and does not last as long. If the patch is worn for short duration then they typically last much longer. If the patch is lasting less than 200 hours this means it is working too hard and it is recommended to treat the problem with additional forms of microcurrent therapy. If the battery is lasting over 500 hours it indicates it is only treating for maintenance, not an injury.

Applying the Patch

To treat with the patch, the site is wetted the size of the pads with a dab of Matrix Gel or other gel (see Choosing the Right Gel). The patches are placed over the wet areas and then wrapped with a light colored vet wrap (yellow works best) so the red light is still visible. For treating locations other than legs, use Tac Gel to help stick patch in place, then secure with tape - remembering to keep indicator light visible. It may also be necessary to clip excess hair prior to treatment. **Note:** DO NOT shave down to skin.

Remember: Without a sufficient amount of gel, the patch will not work. So be sure to add a dab of gel the size of a quarter to each patch prior to applying the patch to your horse.

Matrix Therapy Products - *Information on the MCT Patch*

Instructions for Use

STEP 1: PREPARE SITE

Groom the area to be treated. Select exact locations for pad placement. Wet thru the hair to the skin matching the size of each patch. Tip: Work hair backwards with your fingers. Do not shave.

STEP 2: PREPARE PATCH

Remove patches from the plastic wrap. Test before applying, check that the red light comes on by gently touching the corners together. Add a quarter size dab of gel (i.e. Matrix Gel, Aloe Vera Gel or ultrasound gel. Tip: Use extra gel for frog area of hoof.

STEP 3: PUT ON and SECURE PATCH IN PLACE

Place both patches on treatment sites being very careful to keep on prepared wetted areas. For legs, secure with vet wrap and verify that red light is on. If placed on the trunk of the body, adhere with a square of masking or duct tape surrounding the patch. Be very careful not to pull on wires. To treat the bottom of the hoof, use additional gel and place patch on the frog area. Cover with padding to make a level surface, then over all with vet wrap and duct tape, put the foot down and secure red light patch at the coronet band with light colored vet wrap and masking tape. Place vertically with red light above for tendon and ligaments or side to side for joints.

FOLLOW-UP CARE

Check twice daily to be sure red light is on and wrap is not too tight or loose. If red light is out, remove and prepare site again. Do NOT pull on wires. Most likely the site has become too dry. After use, clean any excess hair or debris from the patches and place back on plastic backing. You may wish to mark the package with horse's name and keep for that animal's use to prevent cross contamination. The patch can be worn continuously for 2-4 days.

Matrix MCT Patch for the Legs

Horses' lower legs are easy to treat with the Matrix MCT Patch. Tendon and ligaments respond well to the use of the Matrix MCT Patch, which includes tears, core lesions, strains, and in general any damage or trauma to the legs. Even hairline fractures can be treated.

Things to Know

- **Do not use on the following:** Do not use on pregnant animals. Do not place directly over open wounds. And do not use to treat laminitis.
- **Not enough gel.** Without a sufficient amount of gel, the patch will not work.
- **Light stays on after removal.** This sometimes occurs due to the moisture in the equine environment. The patch is not being ruined and no substantial amount of battery is being used, it is just the bulb that is lit. Patch needs to be laid out to dry before being stored on its plastic sheet.
- **Be careful to avoid cutting the wires.** If the wire does not connect the two pads, then the MCT Patch will not work.
- **MCT Patch is no longer sticky.** If this occurs, it is still fully functional. Simply use gel and enough tape to hold it in place. If desired, purchase Tac Gel to re-apply stickiness.

Matrix Therapy Products - *Information on the MCT Patch*

- **Skin reaction.** If a horse has a skin reaction, it is most likely due to the adhesive from either the MCT Patch or the Tac Gel. If a horse is extremely sensitive the skin reaction may be from long-term use of the MCT Patch.

MCT Patches with Circuits

The latest model is an all-new design. There are now two parts that make a complete component. The first part is the circuit and the second are patches that have a snap button on them.

The circuit snaps onto the patches and it's ready to be applied. When the patches become soiled the circuit can be removed and put on fresh patches. Each Matrix MCT Patch kit for equines comes with one circuit and three sets of white foam backed patches. MCT Patches with circuits can be used for iontophoresis.

Matrix MCT Patch for the Hoof (*Case Study*)

Recently I had a horse that came in from pasture extremely lame on his right front foot. I found a pressure point in his foot that signaled to me that it was probably an abscess coming on. I took the temperature of the site using a surface thermometer (more on this [click here](#)) and found that the site was 7 degrees warmer than the rest of the hoof sole. As a reference I checked his other front foot and found no temperature discrepancies. I clearly needed to address his discomfort quickly. I cleaned his foot and treated with the Precision (clinic style micro current unit) for about 20 minutes and contemplated my treatment plan. Normally I would treat twice daily for a couple of days to resolve this quickly using micro current. I wondered about the Matrix MCT Patch. After I was finished with the Precision I switched to the Matrix MCT Patch. I added a glob of Matrix Gel and placed a patch the bottom of foot on the hot spot.

The patch I used for the bottom of the foot is a non-snap type electrode we use with our regular micro current treatments that connects to a special wire connector (see part # 5016). Then I covered the patch with a folded square of cotton gauze to create a smooth protected surface and then secured that into place with duct tape. The final step was to place the red light patch at the back side of the coronet band at the Ting points (acupuncture points) and wrap with yellow vet wrap so I could see the red light glowing. I put him out to pasture for the day. Late that afternoon he came in walking sound and comfortable. That evening when putting him into his stall I verified the light was on and everything was intact and then tucked in him for the night.

The next day was the same as the previous; he was turned out for the day and brought in for night. The next morning as I glanced into his stall I was disappointed to see that the red light patch was dragging on the ground! I figured it was ruined and brought him out to inspect the damage. The circuit was fine! I peeled the hoof dressing off, noticing while I fiddled around that he stayed very quite even though I was touching what was once a very sore foot. Then I pressed harder: not a flinch.

So, I checked the sore spot with my surface thermometer and found no heat discrepancies. He walked and trotted sound. The treatment proved to be remarkable and easy. This is the kind of

Matrix Therapy Products - *Information on the MCT Patch*

results I like. No invasive digging out the foot. No discomfort for him or inconvenience for me! It only took a couple of days of keeping an eye out for the dressing.

Since then reports have come in that it great for stone bruises and even heal pain. You can even get clever and find ways to use on hips, shoulders, withers and the poll.

Technical Information

This product has not been proven or tested in any clinical trials for equine use. Use at your own risk. For animal use, there is no expressed warranty.

Result of pulled wires is intermittent light or no light at all, thus the circuit will not work. Red light side is the positive patch attached by 9" wire to the negative patch.

Rated output voltage: 2.7v DC @ 45 μ A. Store the MCT Patch at room temperature in a dry place. Internally powered equipment. Continuous use reduces battery life faster. Discard properly when dead.

Warranty

The only time Matrix Therapy Products will exchange a MCT Patch is if it is a DOA (Damaged on Arrival). To qualify, MCT Patch must be pristine – just opened but never used and found to not turn on. DOA patches are extremely rare.

Shipping Information

Matrix Therapy Products Online Store calculates shipping rates based on UPS prices. However, if the United States Postal Service (USPS) offers a better rate and shorter ship time, Matrix will choose USPS Priority Mail to decrease customer's expense. (FOB - Oregon).