



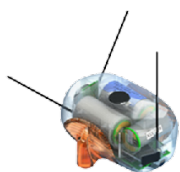
tags@wildlifecomputers.com
WildlifeComputers.com
+1 (425) 881-3048

8310 154th Ave NE, Suite 150
Redmond, WA, 98052 USA

APPLYING WATER SOLUBLE TAPE TO LIMPET TAGS

Wildlife Computers ships all LIMPET models with several strips of [Aquasol \(ASWT-1\)](#) water soluble tape. Aquasol is a safe (safe enough for use in drinking water), FDA-approved tape used to secure the LIMPET tag to the Wildlife Computers deployment cup while in flight from the pneumatic rifle or crossbow arrow. The aquasol dissolves after coming in contact with water.

Materials Referenced



LIMPET Tag*



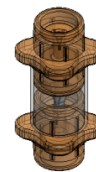
Aquasol Tape (ASWT-1)



Deployment Arrow**



Titanium Dart Anchors***



Dart Package****



Deployment Cup

* SPLASH10-F-333. Other options available.

** Deployment cups are urethane cups designed to support the tag during firing. The cup sits at the end of the airgun arrow shaft or crossbow arrow shaft. Cups are uniquely fit to each LIMPET tag model and exclusively manufactured at Wildlife Computers.

***Two options available, 6- and 3-petal. Two are required per tag.

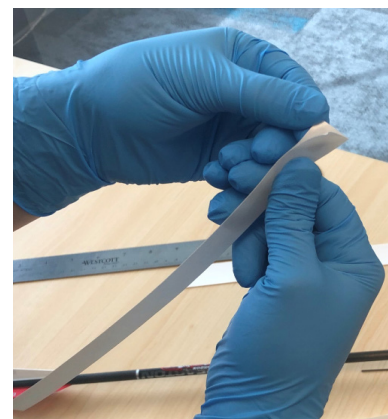
****Provided gratis with the purchase of the titanium dart anchors.

Aquasol Tape Preparation

A 685.8 mm (27-inch) strip of Aquasol tape comes with your Wildlife Computers LIMPET tag. The following instructions refer to cutting and using 3, 228.6 mm x 12.7 mm (9-inch x 1/2-inch) strips. However, you may prefer using a single 685.8 mm x 12.7mm (27-inch x 1/2-inch) piece.

1. Cut each 685.8mm (27-inch) strip in half.
 - You should end up with two strips approximately 12.7 mm (1/2-inch) wide.
2. To make three strips, cut the 12.7mm wide, 685.8 mm (27-inch) long strip of Aquasol tape into 3 x 228.6 mm (9-inch) strips.
3. *Peel back the release liner from one corner of the strip. Set aside. The tape is now ready to be gas sterilized.

*Peeling the corner prior to sterilization makes it easier to peel the remaining adhesive tape.



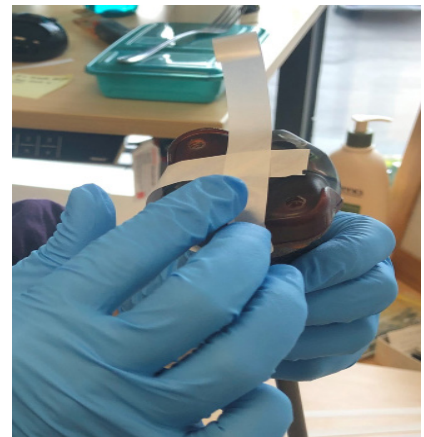
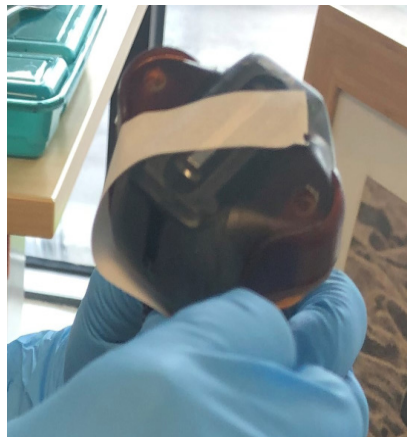
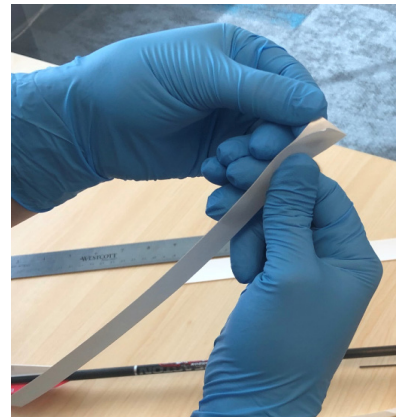
WATER SOLUBLE TAPE ATTACHMENT – CONTINUED

Tape and Dart Preparation

The tape and darts need to be gas sterilized prior to taping the LIMPET tag to the dart. The tag will be taped to the holder prior to the installation of the darts to allow for a more secure fit. You will also need to ensure that you do not contaminate the tape or darts during installation. This method recommends wearing sterile gloves while attaching the tape and the darts.

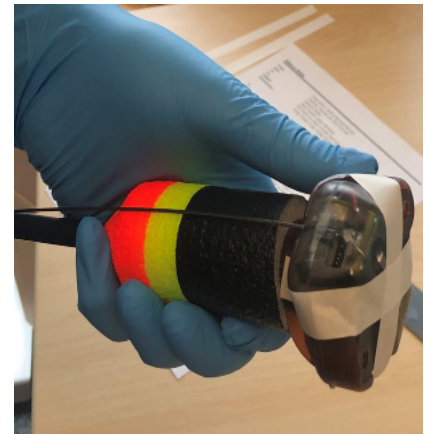
Attaching the Tape

1. While wearing gloves, seat the LIMPET tag into the deployment cup. The tag should feel secure with minimal movement. It may be easier to have two people—one to hold the tag firmly in the cup while the other one wraps the tag. ***Note: LIMPET tags undergo significant g-force when the trigger is pulled. If the tag moves or shifts during the acceleration phase, the ballistics will be off.***
2. Remove the release liner from the first strip of Aquasol tape.
3. While holding the tag firmly against the holder, start at the bottom of the tag, wrapping the first strip of Aquasol diagonally across the tag, then up and over the cup holder, and then across the bottom of the tag to form an “X”.
 - The tape does not have to go all the around on the second pass as this will be repeated from the other side of the holder. Make sure the Aquasol is adhering to the top flat area on the holder. You might need to press the tape into place.

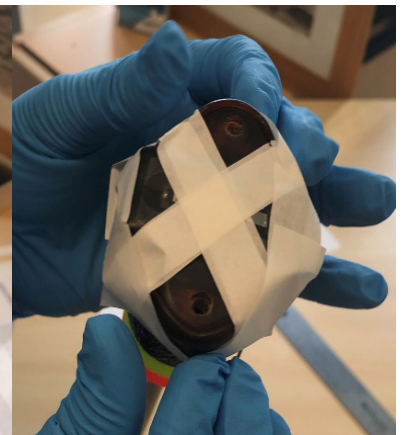


WATER SOLUBLE TAPE ATTACHMENT – CONTINUED

4. Remove the release liner from the second strip of Aquasol tape.
5. Create another “X” starting from the opposite side of Step 3. The tape will overlap but try to position the tape so it adheres a bit to the bottom of the tag.



6. Remove the release liner from the third strip of Aquasol tape.
7. Starting on the holder, above and to the side of where the darts are inserted, begin wrapping towards the far side of the tag. Come up and around the ends of the tag, capturing the side and bottom of the tag. Come all the way around, capturing the holder on both sides—both ends of the tag—and back to the starting point. **Note: do not cover the pressure transducer or the programming port.**



8. Secure the sterilized darts to the LIMPET tag using the dart wrenches provided.
9. Fit the arrow into the pneumatic rifle or crossbow. Attach the tag to the animal.

WATER SOLUBLE TAPE ATTACHMENT – CONTINUED

Recommendations and Notes

- Only remove the release liner when you are ready to secure the tape and tag to the deployment cup.
- One layer of tape only! Double layers take longer to dissolve in water.
- Sterilized darts get attached to the LIMPET **AFTER** water soluble tape is in place.
- Always avoid covering the dart holes.
- Touch the tape as little as possible. It can be undone easily.
- Aquasol Corporation confirmed that AWST has a one-year shelf life. If the release liner is hard to remove, you can try adding a small amount of moisture to the bottom (not the top) of the tape on the adhesive. However, if you have any trouble, the tape should be thrown away.
- If you are new to deploying LIMPET tags, consider adding a lightweight safety line (1–3-pound monofilament) between the tag and the arrow for tag retrieval.

Watch the Video



<https://bit.ly/Using-Water-soluable-Tape>

Contact Us

Email your technical sales consultant or tags@wildlifecomputers with questions. They can redirect you to MarEcoTel who helped advise on the best practices for water-soluble tape attachment.