

Terapio's Countermeasure Product (RLIP76) Highlighted by Broadcast News

Austin, Texas, February 19, 2014 — [Terapio Corporation's](#) product RLIP76 was recently featured in a broadcast news story on KVUE-TV for its potential as a [countermeasure](#) for radiation exposure and chemical threats.

Interest in countermeasure therapies has grown since the 9/11 attack. The world is now on higher alert about possible terrorist attacks that may include a chemical or nuclear weapon. Terapio's treatment has a unique mechanism of action that, if approved, could be an important medical countermeasure for radiation exposure and chemical threats to civilians, military personnel and first responders.

The RLIP76 protein is also under investigation for its potential to aid patients in recovery from traumatic brain injury and stroke.

The story can be found below or [click here](#) to view it online.



by JIM BERGAMO / KVUE News and photojournalist SCOTT GUEST

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AUSTIN -- Global unrest and ongoing security concerns over terrorism continue to mount around the world. Now an Austin company is developing a bio-terrorism radiation counter measure for the military, first responders and civilians, and it all starts with a simple protein found inside the body.

The specter of a terrorist attack has hung over the Sochi Winter Olympics like the medals worn around the necks of the athletes. How would security and first responders be able to respond to an attack involving radiation?

The answer may be found 6,676 miles away in Austin. They're not making their own beer at Terapio Corporation on Bee Caves, but they are brewing some homegrown

protein, specifically the [RLIP76](#) protein found naturally in the body that deals with oxidative stress.

“People have heard of antioxidants before, but antioxidants just really deal with things that are short-lived in your body,” said [Curt Bilby](#), PhD, the president and CEO of Terapio Corp.

We eat blueberries or drink green tea to deal with those mild toxins, but what makes the RLIP76 protein so special is it helps rid the body of additional toxins that cause a great deal of damage to the cells and the body.

“We found a way where we can deliver additional protein, basically to deal with an oxidative stress situation,” said Bilby. “That occurs with something like radiation poisoning or other types of insults to the body.” Inside the Terapio lab technicians allow bacteria to grow and produce the protein for them.

“Then we purify away everything we don’t want, and we’re essentially left with a pure batch of this active protein that’s identical to what you would find in your body,” said Henry Hebel, the vice president of drug development for Terapio Corp.

Ever since September 11, the National Institute of Health has been charged with developing counter measures in the event of a radiation or chemical terror attack. “Military or first responders may be entering an area where there is radioactivity. They would want protection before they went in,” said Bilby.

Protected from the radiation those military and first responders could then apply the protein to affected civilians. “Knowing the number of years now that we as a community worked on a treatment or vaccine for anthrax and to see that there are products so close to success for radiation is what is really exciting,” said Beth Leffel, the vice president of pre-clinical programs for Terapio Corp.

Once given FDA approval, the U.S. government is going to expect millions of doses, which Terapio says it can provide, however FDA approval is still two to four years away.

For more information on Terapio, visit www.terapio.com.