



March 1, 2023

Subject: Detrex Antibiotic Free Statement

To whom it may concern,

Since the discovery of antibiotics, it has been observed that antibiotic use in human and veterinary medicine and agriculture is resulting in those compounds being found in the environment, such as surface water, groundwater, drinking water, municipal sewage. It is also now seen in farm soil and vegetables. This can generate antibiotic bacteria leading to the rise of antibiotic resistance in man and animals, as well as negative ecological effects.

Detrex Hydrochloric Acid products are made using the HCl direct synthesis process. In this manufacturing process Detrex only uses highly purified elemental Hydrogen and Chlorine. The other product component is water. The water Detrex uses is ultra-purified on-site during production of our HCl products. Our water system has been validated, which determined our water meets or exceeds the requirements of the United States Pharmacopeia for purified, or elemental, water.

The HCl product from our process is chemically pure, with very few trace impurities, including trace antibiotics. Detrex does not add any products containing antibiotics to our products, and substances containing antibiotics are not used in the processing, packaging, or storage of our HCl products. Additionally, our products are routinely tested using highly sophisticated analytical equipment, such as ICP Mass Spectrometry capable of resolutions to a part per trillion level, by both Detrex and 3<sup>rd</sup> party labs. No traces of antibiotics have ever been found. To the best of our knowledge Detrex HCl products are antibiotic free.

Sincerely,

A handwritten signature in black ink that reads "Dave Morgan". The signature is written in a cursive style with a large, looped initial "D".

Dave Morgan  
Global Product Manager, Hydrochloric Acid  
Detrex Chemicals