



28<sup>th</sup> August 2002

SPA.GIENE  
PO Box 122  
KILSYTH VIC 3137

Att: Peter Harman

Dear Peter,

We have had several requests from our clients to test the water in their spas and hydrotherapy pools for bacteria. When developing our test method we looked at a number of possible test methods and found that most testing agencies such as local councils, chemical and equipment suppliers etc, swab the surface of the baths when looking for possible contamination. We consulted with colleagues who specialise in microbiology and believe this method to be unsuitable for determining whether a spa bath is contaminated.

The reason for this is because the surface and surrounds of a spa can be easily contaminated by environmental influences, by cleaning processes, by the user of the spa, and by the flora of the person taking the test. In many cases a false report will occur due to the swab picking up this bacteria and the blame being attributed to the water being reticulated through the pumping system, which gives the testing agency the false impression that the spa pump and piping is contaminated.

A rigorous test of the reticulated water in the spa is the only possible way to gain a true indication of whether or not the spa pumping system is contaminated. For this reason we prefer to use the Colilert product, which is one of the worlds leading testing procedures, used in most of the major laboratories in the USA and Australia. Colilert™ (manufactured by Idexx Laboratories) is a very sensitive test and detects minute amounts of E.coli and other coliforms. Colilert™ is not a quantitative test but rather an indicator test and was invented to determine if the water tested is clean enough for human consumption.

As you are aware, E. coli is faecal bacteria found mainly in the anal area but is often found on many other parts of the body depending on a person's hygiene. After a person has used a spa or a bath, they will have a very fine layer of E. coli bacteria over their body, which by the way is not harmful to a normal healthy person, even if it does sound rather repulsive. Colilert™ is sensitive enough to pick up one microorganism of E.Coli.

We have tested many spa baths that use your product for disinfection. We are happy to report that we have not had one positive test for E.coli from these baths after they have been cleaned with Spa.Giene products. The sensitivity of the Colilert™ product is completely reliable and this result gives our clients assurance that your product is working as specified. As specialists in the area of hygiene management we have complete confidence in recommending your products to our clients.

Kind regards,

A handwritten signature in black ink, appearing to read 'Kevin Nagle', written in a cursive style.

General Manager