

## 《泳池里的尿液知多少？看完不敢再去了》

导读:加拿大一所大学最近对游泳池的尿液含量做了一次检测，然后检测的结果让人有点不想去游泳池游泳了…



A study into the amount of urine in swimming pools has revealed just how high the levels are - and the results are NOT pretty.

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Researchers developed a test to measure the amount of urine in the water and took more than 250 samples from 31 pools and hot tubs in two Canadian cities.

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The results showed one 830,000-litre (220,000-gallon) pool, which is about one-third of an Olympic-sized pool, had 75 litres of urine while another smaller pool had 30 litres.

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Humans introduce "a variety of chemicals" into recreational waters through bodily fluids, and the separate news of an overnight water colour change in the 2016 Rio Olympic pools highlight the need to monitor water quality, according to the University of Alberta study.

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Although urine itself is sterile, its presence in swimming pools is a public health concern because urine can mix with pool chemicals to harm swimmers' health.

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Researchers measured for the substance acesulfame-K (ACE), an artificial sweetener that passes through the body completely and is "an ideal urinary marker."

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It found concentrations of ACE in the pools and tubs, which were not named, that were up to 570-fold greater than in normal tap water.

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Researchers then used the ACE concentration of the two pools over three weeks to estimate their levels of urine, according to the study, which was published in the journal Environmental Science and Technology Letters.

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The Alberta Health provincial department did not immediately respond to a request for comment.

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