

Measuring the cleanliness of a surface

A surface ATP test is conducted as a means of measuring how clean one's hands are, by detecting adenosine triphosphate (ATP), an energy molecule that is found in most living organisms. Using a collection sampling device, each person's hands are swabbed and given a reading. Based on their level of cleanliness, they can then be classified under "pass", "caution" or "fail".

SCALE

Lower to upper limit



	Original reading	After touching common surfaces	After washing hands
Person A Does not wash his hands	An original reading was not taken for Person A as his hands were coated in an optics solution, which represents the "germs" that he carries	378	
Person B Washes her hands with water only	23	203	47
Person C Washes her hands using the 7-step technique with antibacterial hand soap	14	51	26