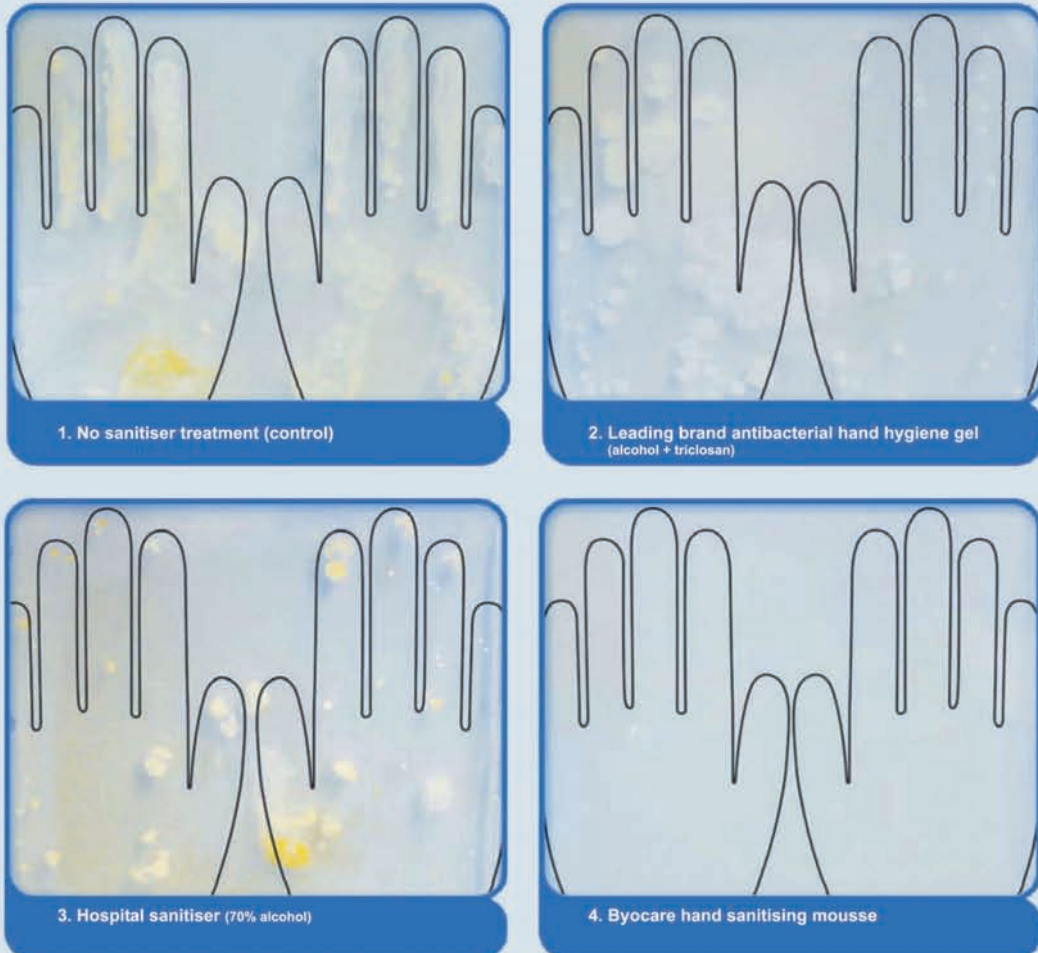


Comparative efficacy of Alcohol and Non-Alcohol Based Sanitisers

Hands were cleaned and dried then contaminated with E.coli, dried then treated as indicated below. Once dry, pressed onto agar plates - left Hand after 3 minutes, Right Hand after 20 minutes and incubated. Microbial colonies appear as shadowy white to yellowish areas.



There are 5 major concerns about alcohol based technologies

| | | Alcohol | Byotrol |
|-----------------------------|--------------------------------|---------|-----------------|
| Microbial Performance | >Long lasting, residual effect | No | Yes |
| | >Virucidal | Limited | Yes |
| | >Sporicidal (e.g. C.diff) | No | Passes EN 13704 |
| Health and Safety | >Flammable | Yes | No |
| | >Hazardous | Yes | No |
| | >Human skin issues | Yes | No |
| | >Potential respiratory issues | Yes | No |
| Religious and Social issues | >Religious issues | Yes | No |
| | >Substance abuse issues | Yes | No |
| Environment | >Ozone producing | Yes | No |
| Economics | >Hydrocarbon cost base | Yes | No |
| | >Water based | No | Yes |

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