

The Hidden Risks of Chemical Disinfection for Ultrasound Probes. And How to Avoid Them



How chemical disinfection can impact your facility



It is dangerous for your staff and patients



It is costly for your facility.



It damages the environment



It damages the probes

Chemicals: The problem



UV Smart D45: How to avoid it

Dangerous for Staff & Patients:

21% of healthcare workers report **irritations** from chemical disinfectants. Patients face risks of **allergic reactions** and **complications**.^{1, 2}



Increases Probe Damage:

Prolonged chemical use **accelerates** probe damage, **disrupts** workflows, and **increases** repair costs.³



Threatens Sustainability:

Chemical disinfectants contribute to **hazardous waste**, **pollute** the environment, and **slow down** hospitals' sustainability goals.³



Increases Costs:

Chemical disinfection increases costs, as facilities must **repeatedly purchase chemicals** and **repair damaged equipment**.³

Safe for All:

UV-C disinfection **eliminates harmful chemical exposure**, protecting staff and patients.



Damage Free:

Probes remain **undamaged** during the disinfection process, **minimizing** workflow disruptions and repair costs.



Sustainable:

UV-C disinfection **eliminates chemical waste**, reducing your hospital's environmental impact.



Cost-Effective:

UV-C disinfection **eliminates recurring disinfectant costs** and **minimizes** repair expenses.

Discover how the D45 can elevate
your facility.

Scan the QR code to learn more!



¹ Pala, G., & Moscato, G. (2013). Allergy to ortho-phthalaldehyde in the healthcare setting: advice for clinicians. Expert Review of Clinical Immunology, 9(3), 227-234.2.

² Chiewchalermari, C., Sompornrattanaphan, M., Wongsa, C., & Thonggarn, T. (2020). Chlorhexidine allergy: current challenges and future prospects. Journal of asthma and allergy, 127-133.3

³ <https://www.uvsmart.nl/articles/the-future-of-chemical-free-disinfection>