

The findings of a comparison study conducted at NFSTC's laboratory have just been released. The DNA decontamination study compares the industry mainstay, 10% bleach solution, to two specialized decontaminants, STERIPLEX[®] SD and Pure Blu. The findings have been compiled into a technology evaluation report.

It is imperative for laboratories to decontaminate equipment and surfaces to avoid cross-contamination when working with DNA. Typically laboratories use 10% bleach solution to clean and decontaminate, but bleach comes with a host of drawbacks: It's caustic and corrosive, and it loses effectiveness after 24 hours*, so fresh batches have to be mixed every day. The specialized alternatives last longer, but how well do they decontaminate? Are they safer? And are they worth the extra money?

STERIPLEX[®] SD Highlights from NIJ Comparison Study of Disinfectants for Decontamination

- **STERIPLEX[®] SD:** ... it appears to work better than bleach solution when left in contact with blood. It is not corrosive and once activated is at full strength for 2 months. ... Because STERIPLEX SD is not corrosive, regular spray bottles can be used, and they would not seize up and stop working over time.
- **STERIPLEX[®] SD:** Most effective cleaning agent when combined with wiping. Activated solution is at peak effectiveness for 2 months after activation. It is not corrosive or toxic; no emissions into the environment. Long-term cost savings can be expected due to reduction in labor and replacement parts.
- **STERIPLEX[®] SD** has an MSDS rating of "0" and does not pose any health or safety issues.



This Comparison Study of Disinfectants for Decontamination was supported by Award No. 2010-DN-BX-K210 for the Forensic Technology Center of Excellence, awarded by the National Institute of Justice, Office of Justice Programs, U.S. Department of Justice. National Institute of Justice - Forensic Technology Center of Excellence - Award No. 2010-DN-BX-K210 20

See the complete study at:

www.nfstc.org/whats-the-smartest-dna-decontamination-solution-new-study-puts-them-to-the-test-2/

Or Contact 1 Priority Biocidal at info@go1bio.com to receive a complete PDF copy of the study via email.

*What validation is there that a bleach/ water solution is only effective for 24 hours?

Clorox[®], the number one bleach brand in the world, validated the 24 hour use period in response to that question from Cornell Medical Center's Office of Environmental Health and Safety (WCMC EHS).

From Clorox's[®] advisement to Cornell:

"When bleach and water are mixed together to create a cleaning or disinfecting solution, the solution is only good for 24 hours..."

You can see the full response from Clorox[®] at: www.med.cornell.edu/ehs/faq/biological_safety.htm

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