

Product Bulletin

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Date: December 8th, 2009

Subject: Medi-Newt™ Neutralization Performance using Neutra-Hyde™

In response to customer inquiries, a study was conducted to assess Medi-Newt's neutralization effectiveness using Neutra-Hyde. Medivators' Medi-Newt neutralization system uses Neutra-Hyde, a glycine-based neutralizer, to effectively deactivate OPA and glutaraldehyde disinfectants.

Testing was conducted by Minntech's R&D Department using full-strength Rapicide® High-Level Disinfectant and Sterilant having a glutaraldehyde concentration of 2.6%. This high concentration level represents a worst case neutralization scenario which provides the greatest challenge for glutaraldehyde deactivation. All Rapicide solutions tested were analyzed using High Performance Liquid Chromatography for precise glutaraldehyde concentration level identification as detailed below:

Starting Glutaraldehyde Concentration		Rapicide HLD (Gallons)	Neutra-Hyde (One 10oz. Bottle)	Deactivation Time (Minutes)	Ending Glutaraldehyde Concentration	
2.65%	26,510ppm	10	1 bottle	5	0.0030%	30.346ppm
2.63%	26,330ppm	10	1 bottle	5	0.0031%	31.175ppm
2.67%	26,690ppm	10	1 bottle	5	0.0027%	27.952ppm

This neutralization testing confirms that full strength 2.6% glutaraldehyde Rapicide HLD is effectively reduced to glutaraldehyde concentration levels ranging between 0.0027% and 0.0031%, or 27.9 – 31.1ppm. During normal use, Rapicide HLD is utilized down to its Minimum Effective Concentration of 1.5%. This lower end-use concentration allows even greater neutralization efficacy resulting in further-reduced glutaraldehyde concentrations.

The concentration of the final neutralized solution complies with the most stringent state and local waste management guidelines. Medi-Newt combined with Neutra-Hyde is an effective, safe and environmentally responsible neutralization solution.

A copy of this product bulletin is available on the Medivators website at www.minntech.com/medivators by selecting "Medivators Reprocessing Systems" followed by "Resource Center." If you have any questions regarding this Product Bulletin, please contact Medivators Customer Support at 1-800-444-4729.