

Product Name:	MycoRid™
Product Number:	M093
Form:	Liquid
Appearance:	Light Yellow Solution
Source:	Fermentation
Storage Conditions:	-20°C
Description:	MycoRid™ Solution (1000x) is a highly stable, solubilized aqueous solution of a polyene antifungal or antimycotic compound derived from the fermentation.
Mechanism of Action:	The active component of MycoRid™ Solution (1000x) has a similar mode of action to Amphotericin B (fungizone). Polyene antimicrobials associate with membrane sterols in mammalian and fungal cell membranes and forms pores leading to essential ion leakage and ultimately, cell death.
Spectrum:	MycoRid™ Solution (1000x) is active against fungal (molds and yeasts) cells and is not toxic to bacteria due to their lack of sterols. MycoRid™ is compatible with Pen-Strep solutions.
Microbiology Applications	MycoRid™ Solution (1000x) is used as an antimycotic selective agent in several routinely used selective media formulations to inhibit the growth of background fungal growth.
References:	<p>Rice, Louis B., and Mahmoud A. Ghannoum. "Antifungal Agents: Mode of Action, Mechanisms of Resistance, and Correlation of These Mechanisms with Bacterial Resistance." <i>Clinical Microbiology Reviews</i> (1999): 501-17. www.ncbi.gov. Oct. 1999. Web. 22 Aug. 2012.</p> <p>Rice L.B. and Ghannoum M.A.. "Antifungal Agents: Mode of Action, Mechanisms of Resistance, and Correlation of These Mechanisms with Bacterial Resistance. <i>Clinical Microbiology Reviews</i> (1999): 501-17.</p> <p>Brajtburg, J., W. G. Powderly, and G. Medoff. "Amphotericin B: Current Understanding of Mechanisms of Action." <i>Antimicrobial Agents and Chemotherapy</i> 34.2 (1990): 183-88. www.ncbi.gov. Web. 22 Aug. 2012.</p> <p>Perez-de-Luque A., Cifuentes Z., Beckstead J.A., Sillero J.C., Avila C., Rubio J. and Ryan R.O.. Effect of amphotericin B nanodisks on plant fungal diseases. Volume 68, Issue 1, Article first published online: 24 Jun 2011.</p>