

TML\MSH Microbiology Department Policy & Procedure Manual	Policy # MI\MYC\09\14\v01	Page 1 of 1
Section: Mycology Bench Manual	Subject Title: Media / Reagents 10% Potassium Hydroxide	
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MEDIA / REAGENTS

14. 10% POTASSIUM HYDROXIDE

Potassium hydroxide (KOH)	10g
Glycerol	20ml
Distilled Water	80 ml

Dissolve the potassium hydroxide in distilled water, then add glycerol. Mix well. Filter sterilize. Store in sterile amber bottle. Keep for 3 months.

Purpose

To digest or clear organic material e.g. tissue cells in a specimen in order to allow fungal structures to be more easily demonstrated.

Principle

Fungi are unaffected by KOH. Glycerol prolongs shelf-life by preventing crystallization and preserves the slides for a few days.