



WET PREP REAGENT PREPARATION

KOH

Procedural note: It is highly recommended that gloves, lab coats, and eye protection be worn while preparing these solutions. The dried components are quite caustic and cause severe burns.

Weigh out 10.0 gm. Potassium hydroxide (KOH) solid into a disposable weigh boat.

Transfer into a 250 – 500 ml Erlenmeyer flask containing a magnetic stir bar.

Measure 100.0 ml Deionized water into a graduate cylinder.

Add the Deionized water to the KOH in the flask.

Place on a magnetic stir plate and mix gently until the KOH is totally dissolved.

Yield: 100.0 ml (formula may be scaled up according to need)

The reagent is stored in a glass bottles with closures, at room temperature (13-30° C). Shelf life of the KOH solution is 1 year.

Do not use if there is any sign of contamination, deterioration, or if the expiration date has passed.

Mark the stock bottles as to its contents, lot # of the reagent, date the reagent was received, date the reagent was made, date transferred into a secondary vessel (if applicable), date of expiration, and storage conditions. Complete all elements of the Reagent Log when preparing, entering into use and expiring reagents.

Citations:

https://catalog.hardydiagnostics.com/cp_prod/Content/hugo/PotassiumHydroxideSolns.htm

Manual of Clinical Microbiology, 2nd Edition, Lennette, Spaulding, and Truant; American Society for Microbiology 1974, pg. 945-946

Normal Saline:

A 0.9% solution is prepared by dissolving 0.90 gm. of Sodium chloride in 100.0ml of Deionized water. The solution may be scaled up as needed:

1.8 gm. NaCl / 200.0 ml. DI

2.7 gm. NaCl / 300.0 ml. DI

3.6 gm. NaCl / 400.0 ml. DI

4.5 gm. NaCl / 500.0 ml. DI

The solution is autoclaved at a minimum 119° C. for 30 minutes - slow exhaust.

2 - 3 ml. aliquots may be dispensed into screw top culture tubes for use in vaginal wet preps.; autoclave as above.

Label as to contents and expiration date: 1 year from make-up, or sooner if cloudiness is noted.