10% POTASSIUM HYDROXIDE PREPARATION

PURPOSE:
For direct examination of all patient material except cerebrospinal fluid, blood and bone marrow for fungal element.

PRINCIPLE:
The potassium hydroxide is a clearing agent which makes the fungi more visible in tissue body fluids or body secretion. Heating hastens this action.

SCOPE:
The procedure is performed in the Hospital and Ambulatory settings by Medical Doctors and Nurse Practitioners who have been trained and maintain annual competency in this procedure.

PERSONNEL:
• Licensed Medical Doctors
• Licensed Advanced Health Practitioners

REAGENTS & SUPPLIES:
A. 10% KOH
B. Non-frosted glass slides
C. Cover slips
D. Gloves
E. Microscope with 10x and 40x objectives

SPECIMEN:
Specimens not tested immediately (by the person collecting the specimen) are labeled with two forms of patient identification.
QUALITY CONTROL:
KOH should be clear.

PROCEDURE:
A. A small portion of the material to be examined is placed in a drop of the potassium hydroxide on a clean slide and covered with a thin cover slip.
B. Examine under both low and high power.
C. Report any yeast, pseudohyphae, or hyphae.
   1. Indicate budding and septation if possible.
D. Result reporting: Report results as yeast, pseudohyphae or hyphae present or "Negative for fungal elements" in patient chart, along with source of sample, date/time of examination and name of examiner.

References:
PPM for approval-10% KOH

### Med Dir Apprvl

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<tr>
<td>Tim Hamill (023335003)</td>
<td>PA CB MED DIRECTOR</td>
<td>19 Jun 2013, 09:26:41 AM</td>
<td>Approved</td>
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### Notify Sr Sup

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<td>Cynthia Ishizaki (024044224)</td>
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<td>19 Jun 2013, 09:26:41 AM</td>
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