

Department:	Laboratory and Blood Bank (Parasitology)		
Document:	Internal Policy and Procedure		
Title:	Policy of Urine Analysis		
Applies To:	All Laboratory Staff		
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1. PURPOSE:

- 1.1 Establishing system and responsibilities so that the urine samples provided to department of parasitology are Properly labelled and corresponding to the actual requests and in proper container and volume.

2. DEFINITONS:

N/A

3. POLICY:

- 3.1 Urine sample is properly performed physically, chemically and microscopically.
- 3.2 Urine sample should in a good volume (about 10 ml).
- 3.3 Urine sample should be in a clean, dry and with a good screw container.

4. PROCEDURE:

4.1 Physical examination:

- 4.1.1 Physical examination means the colour and appearance of urine

4.2 Chemical examination

- 4.2.1 By using urine strip to screen many diseases as Diabetes, liver diseases and other biliary diseases and urinary tract infections.
- 4.2.2 Nine parameters strip are used in our lab which includes urobilinogen, bilirubin, ketones, glucose, protein (albumin), blood, ph, leukocytes and nitrite in urine.
- 4.2.3 Procedure done by dipping the reagent strip into uncentrifuged urine sample.
- 4.2.4 Draw it and hold it horizontally.
- 4.2.5 Compare the development of color chart each reagent with the color chart provided on outside strip container after 60 seconds except leukocytes after 60-120 seconds.
- 4.2.6 Records your results on report.
- 4.2.7 Avoid contamination of the strip, protect from moisture, sun light and not refrigerated.

4.3 Microscopic examination:

- 4.3.1 Urine samples can be submitted for the presence of bacteria, white blood cells or pus cells, Candida or yeast cells and epithelial cells.
- 4.3.2 Casts are detected by their types, cellular, granular, waxy, epithelial and hyaline cast.
- 4.3.3 Crystals are formed from the chemicals present in urine can be detected and record their types.
- 4.3.4 The microscopic examination of urine sediment should be a part of the complete routine urinalysis procedure.
- 4.3.5 Detection of Schistosoma haematobium egg or Trichomonas vaginalis trophozoite and Enterobius vermicularis.

5. MATERIAL AND EQUIPMENT:

- 5.1 Urine strips
- 5.2 Urine containers
- 5.3 Slides
- 5.4 Cover slips
- 5.5 Microscope
- 5.6 Centrifuge

6. RESPONSIBILITIES:

- 6.1 Parasitology staff are responsible for receiving and running urine samples

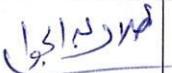
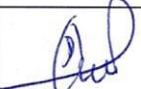
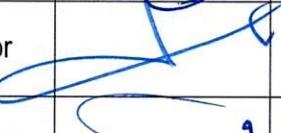
7. APPENDICES:

N/A

8. REFERENCES:

- 8.1 Cheesbrough, Monica District Laboratory Practice in Tropical Countries. Part 1: Pt.1 Press (1999)

9. APPROVALS:

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