

Good Laboratory Practice

Certificate of Waiver Urine Dipstick Job Aid

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Project History

- Cooperative Agreement between APHL and CDC
- Data and information collected by both CDC and CMS indicate a need for practical advice and information on basic good laboratory practices for personnel performing testing in sites with a CLIA Certificate of Waiver. APHL in conjunction with CDC will build on the training needs assessment strategies used to identify training resource products that could easily be reformatted into job aids with universal appeal to this audience of physicians and nurses.

Translation

To develop a product for laboratories holding a CLIA Certificate of Waiver to help strengthen quality of laboratory services and improve the skills of staff performing the laboratory waived tests.

First Steps

- **Workgroup formed**
 - **APHL Staff**
 - **NLTN Staff**
 - **CLIA Surveyors**
- **Reviewed the CLIA data on CW testing from the November 11, 2005 MMWR**

More Steps

- **Consulted with CDC Division of Laboratory Systems staff on MMWR findings and related CDC projects**
- **Reviewed current survey observations with surveyors**
- **Brainstormed possible training formats**

Suggested Training Formats

- Video or Audio Training Programs
- Onsite Training Programs
- Online Training Programs
- Bench Aids
 - Daily Check List
 - Standard Procedure
 - Interfering Substance List
 - Glossary of Terms

Topics

- **Most Common Performed CW Tests**
 - **Glucose Testing**
 - **Urine Dipstick**
 - **Occult Blood**
 - **HCG**
 - **Group A Strep**

Research

- **Decision made to begin with urine dipstick job aid**
- **Surveyor input**
- **Questionnaire distributed at October 06 COLA Meeting**

UA Dipstick Job Aid

- **What should the product be?**
 - **Checklist**
 - **List of interfering substances**
 - **Step by step instructions**
- **Uniform template for future job aids**

Draft Product

- Refer to three color attachments
 - Currently conducting field testing
 - Send me comments

Attachment A

Good Laboratory Practices for Urine Dipstick Testing

PREPARE

1. Staff

- Test personnel for color blindness
- Training

2. Strips

- Strip Outdate
- Correct Strip Storage in original container



3. Sample

- Patient label
- Sample quantity
- Sample freshness (refrigerate if delay in testing)

4. Supplies

- Timer or clock with alarm
- Non-faded color chart

ANALYZE

- Dip strip in urine
- Start timing (Refer to manufacturer's package insert)
- Remove excess urine from strip
- Compare each test pad against correct color blocks



REPORT



- Limitations (interfering substances)
 - Refer to manufacturer's package insert
 - Specific test steps vary depending on the manufacturer of your test strip. Refer to your current package insert for specific details of each step.
- Record and initial results

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Attachment B

6 Steps to a Successful Urine Dipstick Test

1. Staff

- Test personnel for color blindness
- Training

2. Strips

- Strip Outdated
- Correct Strip Storage in original container

3. Sample

- Patient label
- Sample quantity
- Sample freshness (refrigerate if delay in testing)

4. Supplies

- Timer or clock with alarm
- Non-faded color chart

5. Analysis Test

- Dip strip in urine
- Start timing
(Refer to manufacturer's package insert)
- Remove excess urine from strip
- Compare each test pad against correct color blocks

6. Report

- Limitations (interfering substances)
Refer to manufacturer's package insert
- Specific test steps vary depending on the manufacturer of your test strip. Refer to your current package insert for specific details of each step.



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Attachment C

6 Steps to a Successful Urine Dipstick Test



1. Staff

- Test personnel for color blindness
- Training

2. Strips

- Strip Outdated
- Correct Strip Storage in original container

3. Sample

- Patient label
- Sample quantity
- Sample freshness (refrigerate if delay in testing)

4. Supplies

- Timer or clock with alarm
- Non-faded color chart

5. Analysis Test

- Dip strip in urine
- Start timing (Refer to manufacturer's package insert)
- Remove excess urine from strip
- Compare each test pad against correct color blocks

6. Report

- Limitations (interfering substances)
Refer to manufacturer's package insert
- Specific test steps vary depending on the manufacturer of your test strip. Refer to your current package insert for specific details of each step.



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Distribution Plans

- **Laminated copies will be distributed**
 - **Direct mail**
 - **Collaboration with other organizations**
 - **Collaboration with manufacturers**
 - **Conferences**
- **PDF file available on APHL web site**
 - **Offer other organizations opportunity to link**

Future

- **Assess job aid utility**
- **Next in series?**

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- **Work Team**
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Thank you

**Laboratory Practice Standards Branch
Division of Laboratory Systems
The National Center for Preparedness,
Detection, and Control of Infectious
Diseases
Centers for Disease Control and
Prevention**

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