TRAINING UPDATE

Lab Location:	SGAH & WAH	**Date Distributed:**	1/1/2014
Department:	Micro	**Due Date:**	1/31/2014
		Implementation:	**2/1/2014**

DESCRIPTION OF PROCEDURE REVISION

Name of procedure:

Measurement of Blood Culture Volume SGAH.M40, WAH.M37 v1

Blood Culture Volume Monitor form AG.F28 v2

Description of change(s):

SOP:
Section 5.2: Changed # of bottles for SGAH (SOP corrected to match current practice.

FORM:
Instructions changed to indicate only use aerobic bottle (previously stated to use aerobic and anaerobic)

This revised SOP and form will be implemented on February 1, 2014

Document your compliance with this training update by taking the quiz in the MTS system.

Approved draft for training all sites (version 1)

Non-Technical SOP

Title	**Measurement of Blood Culture Volume**	
Prepared by	Ron Master	Date: 4/26/2013
Owner	Ron Master	Date: 4/26/2013

Laboratory Approval		
Print Name and Title	**Signature**	**Date**
Refer to the electronic signature page for approval and approval dates.		
Local Issue Date:	Local Effective Date:	

Review:		
Print Name	**Signature**	**Date**

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TABLE OF CONTENTS

1. PURPOSE

Larger volumes of blood increase the yield of true positive cultures. The laboratory monitors collected blood volumes.

2. SCOPE

This procedure covers the monitoring of blood culture volumes. It does not include performance of blood cultures.

3. RESPONSIBILITY

It is the responsibility of technical laboratory personnel who work in microbiology to learn and understand the process described in this procedure.

4. DEFINITIONS

ED - Emergency Department

5. PROCEDURE

1. The standard used for measurement is an empty aerobic BACTEC bottle filled with 8 mL of stain such as safrannin or carbol fuchsin.

2. Select 2 aerobic bottles from 2 different patients each day. Do not use pediatric bottles.
   SGAH only: select 2 bottles collected by ED staff and 2 bottles collected by a laboratory phlebotomist.

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3. Compare the volume in each of the bottles to be measured to the standard.

4. Record the following information on the Blood Culture Volume Monitor form:
   a. Number checked, number acceptable, and number unacceptable
   b. For each unacceptable bottle, record the accession number and collector.
   c. Record the initials of the person performing the evaluation.

5. At the end of the month, calculate the total number checked, number acceptable, and number unacceptable. Calculate the % acceptable.

6. If the percent acceptable for a month is less than 85%, make a copy of the monitor form for the Field Operations Manager or Supervisor.

7. The monitor form is reviewed weekly by the Field Operations Manager, Supervisor or Phlebotomy Group Lead. Monthly review is performed by the Microbiology Manager or Core Laboratory Supervisor.

8. Communication of findings and Corrective Action
   a. Results are graphed monthly
   b. Data is distributed to Field Operations Manager and Supervisor for posting
   c. Data is presented at Lab / ED meetings and documented in minutes
   d. Follow up with individual staff is performed by the appropriate supervisor

6. RELATED DOCUMENTS

Blood Cultures, with Automated Detection, Microbiology procedure
Blood Culture Volume Monitor form (AG.F28)

7. REFERENCES

None

8. REVISION HISTORY

Version	Date	Reason for Revision	Revised By	Approved By
000	12/17/13	Section 5.2: Changed # of bottles for SGAH Section 6: move form from section 9 Footer: version # leading zero's dropped due to new EDCS in use as of 10/7/13	R. Master	R. Master

9. ADDENDA AND APPENDICES

None

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Quest Diagnostics

Blood Culture Volume Monitor

☐ Germantown Emergency Center
☐ Shady Grove Adventist Hospital
☐ Washington Adventist Hospital

Month / Year _____

To be done daily: Two aerobic blood culture bottles from two different patients will be monitored daily. Randomly choose two patient aerobic blood culture bottles to compare to the standard bottle containing 8 mL. Acceptable range: ≥ 85% should contain at least 8 mL of blood. Notify Field Operations Manager or Supervisor if acceptable range is not met.

Date	Number evaluated	Number acceptable	Number unacceptable	Accession number if unacceptable	Drawn by	Initials
1						
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26						
27						
28						
29						
30						
31						
Totals						
% Acceptable						

Weekly review:	Weekly review:	Weekly review:
Weekly review:	Weekly review:	Monthly review: