#### TRAINING UPDATE

Lab Location: Department: GEC, SGMC & WAH Core 
 Date Distributed:
 7/21/2016

 Due Date:
 8/31/2016

 Implementation:
 9/1/2016

#### **DESCRIPTION OF PROCEDURE REVISION**

Name of procedure:

# Streptococcus Group A Antigen with Reflex to Culture SGAH QDHOS706 v1.3

# Strep Group A Quality Control Log AG.F35.6

# Note: this has been converted to a system SOP

**Description of change(s):** 

Section	Reason
Header	Add other sites
6.5	Changed QC frequency to 31 days
11.3	Added report comment
13	Delete TNP comment
16	Update NQA SOPs
17	Update Package Insert revision date

QC frequency on log changed to 31 days

# This revised SOP & FORM will be implemented on September 1, 2016

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

#### Technical SOP

Title	Streptococcus Group A Antige	en with Reflex to Culture
Prepared by	Ron Master	Date: 5/12/2012

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

Review			
Print Name and Title	Signature	Date	

Corporate Approval		Corporate Issue Date:	5/25/2012
Print Name and Title	Signature		Date
Lori Loffredo Hospital BPT Chair	Approval on file		5/18/2012
Dianne Zorka NQA Manager (QC/ FDA Review)	Approval on file		5/17/2012
R. Schlesinger, M.D. BPT Medical Advisor	Approval on file		5/16/2012
Stephen Suffin, M.D. Chief Medical Officer, VP/Corporate	Approval on file		5/24/2012

Retirement Date:	
Reason for	
retirement/replacement:	

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	ANALYTICAL PRINCIPLE. SPECIMEN REQUIREMENTS

#### 1. TEST INFORMATION

Assay	Streptococcus Group A Antigen with Reflex to Culture	
Method	Immunochromatography	
Instrument	Not applicable	
Synonyms	Rapid Strep, OSOM <sup>®</sup> Strep A, GAS Antigen	
Department	Microbiology	
Order Code	Test Name	
QSTRP	Streptococcus Group A Ag with Reflex to Culture	

#### 2. ANALYTICAL PRINCIPLE

The Genzyme OSOM<sup>®</sup> Strep A uses color immunochromatographic dipstick technology with rabbit antibodies coated on the nitrocellulose membrane. In the test procedure, a throat swab is subjected to a chemical extraction of a carbohydrate antigen unique to Group A *Streptococcus*. The Test Stick is then placed in the extraction mixture and the mixture migrates along the membrane. If Group A *Streptococcus* is present in the sample, it will form a complex with the anti-Group A *Streptococcus* antibody conjugated color particles. The complex will then be bound by the anti-group A streptococcus capture antibody and a visible blue test line will appear to indicate a positive result.

#### **3. SPECIMEN REQUIREMENTS**

Component	Special Notations
Fasting/Special Diets	N/A
Specimen Collection and/or Timing	Two swabs should be submitted for this test. Use the sterile culture swabs to sample the back of the throat (posterior pharynx), tonsillar crypts, and between the tonsillar pillars and uvula. Avoid touching the lips, cheeks, tongue, and uvula.
Special Collection Procedures	Throat specimens should not be collected if the patient may have epiglottitis, a rapidly progressing infection with potential to cause complete airway obstruction. If epiglottitis is suspected, prompt otolaryngologic consultation for airway management is recommended.
Other	Refer to the Quest Diagnostics Incorporated <i>Directory of</i> <i>Services</i> for instructions on specimen collection and transport.

#### **3.1** Patient Preparation

#### 3.2 Specimen Type & Handling

Criteria	
Type -Preferred	Two swabs in liquid media such as Amies (BD red cap) or modified Stuart's medium.
-Other Acceptable	None.
Collection Container	Swabs in liquid media such as Amies or modified Stuart's
	medium. Do not use a collection system containing
	charcoal or semisolid (gel) transport media.
Volume - Optimum	Two swabs are preferred. One is for the antigen test and
	the second for culture if necessary.

Criteria			
- Minimum	1 swab		
Transport Container &	BD red cap rayon, in liquid bacterial transport medium.		
Temperature	(This swab has been	validated by Quest Diagnostics).	
Stability & Storage Requirements	Room Temperature:	Process swabs as soon as possible after collection. Swabs in liquid transport media may be stored up to 2 days.	
	Refrigerated:	Swabs in liquid transport media up to 2 days.	
	Frozen:	Not validated	
Timing Considerations	None		
Unacceptable Specimens	Reject		
& Actions to Take	nasopharynx	m other sources than the throat or poden shafts, calcium alginate, or	
	<ul> <li>Frozen specim</li> </ul>	ons	
	_		
	-	expired transport devices	
	• Specimens in viral transport medium or in Gen-Probe collection devices		
	<ul> <li>Beyond stability (&gt;48 hrs. old)</li> </ul>		
Compromising Physical		ty (>48 hrs. old) nould not be collected if the patient	
Characteristics	may have epiglottitis, a rapidly progressing cellulitis with potential to cause complete airway obstruction. Epiglottitis is typically caused by <i>H. influenzae</i> type b, but occasionally by <i>S. aureus</i> or <i>S. pneumoniae</i> .		
	Epiglottitis should be considered in a febrile patient who has a severe sore throat, dysphagia, high-pitched breathing		
	noises or progressive respiratory distress, and minimal findings on visualization of the oropharynx. If epiglottitis is suspected, prompt otolaryngologic consultation for airway management is suggested.		
Other Considerations	(refer to Plating SO	received, first streak the culture plate P) before starting the OSOM <sup>®</sup> Strep A raction reagent will render the	
	specimen nonviable	for culture. Alternatively, if two process one for the antigen test and use	

#### 4. **REAGENTS**

#### 4.1 Reagent Summary

Reagents / Kits	Supplier & Catalog Number
OSOM <sup>®</sup> Strep A	Genzyme Diagnostics Cat# 141

#### 4.2 Reagent Preparation and Storage

Refer to the Safety Data Sheet (SDS) for a complete description of hazards. If a specific hazard is present, it will be noted in this procedure when the hazard is first encountered in a procedural step.

NOTES: Date and initial all reagents upon opening. Each container must be labeled with (1) substance name, (2) lot number, (3) date of preparation, (4) expiration date, (5) initials of tech, (6) any special storage instructions; check for visible signs of degradation.

Genzyme Diagnostics OSOM <sup>®</sup> Strep A Kit		
Reagent 1	2 M Sodium Nitrite Caution: Toxic	
Reagent 2	0.3 M Acetic Acid Caution: Corrosive	
Positive Control	Nonviable Group A Streptococci, in 0.1% Sodium Azide.	
Negative Control	Nonviable Group C Streptococci, in 0.1% Sodium Azide.	
Container	Store in manufacturer's original container.	
Storage	Store at Room Temperature (15° to 30°C)	
Stability	Do not use Test Sticks or Reagents after expiration date.	

#### 5. CALIBRATORS/STANDARDS

5.1 Calibrators/Standards Used

Not applicable

5.2 Calibrator Preparation and Storage Not applicable

#### 5.3 Calibration Criteria and Procedure

Not applicable

### 6. QUALITY CONTROL

#### 6.1 Controls Used

Three levels of internal procedural controls are automatically performed with each test. The results of these internal controls must be documented each time the test is performed. These controls verify that:

- 1) The Extraction Reagents were mixed properly (indicated by a pink to light yellow color when mixed).
- 2) The Test Stick is working properly (indicated by the red Control Line), and
- 3) That there are no interfering substances in the specimen (indicated by a clear background).

Quality Control	Supplier	
Internal Reagent Control	Reagents 1 & 2. Supplied in the kit.	
Internal Positive Control	Each test device. Supplied in the kit.	
Internal Negative Control	Each test device. Supplied in the kit.	
External Positive Control (includes control of the extraction)	Supplied in the kit.	
External Negative Control	Supplied in the kit.	

#### 6.2 Control Preparation and Storage

**NOTE:** Date and initial all controls upon opening. Each container should be labeled with (1) substance name, (2) lot number, (3) date of preparation, (4) expiration date, (5) initials of tech, and (6) any special storage instructions; check for visible signs of degradation.

Control	Internal Procedural Controls		
Contents	Nitrocellulose membrane device coated with rabbit antibodies.		
	Reagent 1 and Reagent 2 (Refer to Section 4.1 for contents).		
Preparation	None		
Storage	Store at 15-30° C		
Stability	Stable until manufacturer's expiration date		

Control	External Positive Control	
Contents	Nonviable Group A Streptococci, 0.1% Sodium Azide	
Preparation	None	
Storage	Store at 15-30° C	
Stability	Stable until manufacturer's expiration date	

Control	External Negative Control	
Contents	Nonviable Group C Streptococci, 0.1% Sodium Azide	
Preparation	None	
Storage	Store at 15-30° C	
Stability	Stable until manufacturer's expiration date	

#### 6.3 Frequency

- The results of these internal controls must be documented each time the test is performed.
- External positive and negative controls are tested with each new kit lot number or shipment or every 31 days, whichever is more frequent. These controls verify the extraction step and test devices are working properly and that the analyst is performing the test correctly.

#### 6.4 Tolerance Limits

Step	Tolerance Limits	
Internal Reagent Control	Color change from pink to light yellow after the addition of	
	Reagents 1 & 2, in each tube.	
Internal Positive Control	Red line in the Control line area of each test device.	
Internal Negative Control	Clear background in the Control Line area of each test	
	device.	
External Positive Control	Blue test line and red control line.	
(includes extraction)		
External Negative	Red control line only.	
Control		

- Refer to package insert illustration for test result interpretation.
- Each time the controls exceed the acceptable criteria specified above, the run is considered to be out of control (failed) and patient results must not be reported. The run must be brought to the attention of supervisor (or designee) for second review and further action.
- The following are guidelines for failed controls:

IF	THEN
The red (Internal Positive Control) line does not appear for an External Control	That QC test is invalid. Hold patient results until corrective action is performed.
If the background (Internal Negative Control) is not clear and interferes with the result of an External Control	That QC test is invalid. Hold patient results until corrective action is performed.

If one or both External Control tests are invalid BUT all patient tests are valid (i.e., presence of a red Control line and clear background on all patients).	Repeat the failed External Control test to verify that the original test was performed correctly.	
1. If the repeat control test is valid	1. Report the patient results.	
2. If the repeat control test is invalid	2. DO NOT release patient results when controls do not meet tolerance limits. Investigate and take corrective action for all unacceptable controls. Corrective action must be documented.	

#### 6.5 Documentation

Refer to local policies and procedures for QC documentation and to Quest Diagnostics records management program for record retention requirements.

All steps taken in response to QC failures must be documented, including: a description of the QC failure, the root cause of the problem, actions taken to correct the problem, how patient samples were handled if applicable, and the date and initials of the person recording the information.

# 7. EQUIPMENT and SUPPLIES

#### 7.1 Assay Platform

• Test device supplied with kit

#### 7.2 Equipment

• None

#### 7.3 Supplies

- Timer or watch
- Marking pen

#### 8. **PROCEDURE**

**NOTE:** For all procedures involving specimens, buttoned lab coats, gloves, and face protection are required minimum personal protective equipment. Report all accidents to your supervisor.

The package insert for a new lot of kits must be reviewed for any changes before the kit is used.

8.0	Ordering
1.	When a <i>Streptococcus</i> Group A Antigen test is ordered, the accessioner will order both the rapid antigen test and culture. Sunquest can not automatically reflex microbiology tests. If the Antigen test is positive, the culture must be cancelled by the technologist performing the antigen test.

8.1	Specimen Preparation	
1.	Specimens received for this test should be sorted into two groups of accessions prior to beginning testing: (1) dual swab submissions, and (2) single swab submissions.	
2.	If a single swab is submitted, streak the culture plate before starting the OSOM® Strep A procedure. Once a specimen has been used for this test, it is no longer acceptable for culture.	
3.	If two swabs are submitted, use one for the OSOM <sup>®</sup> Strep A test and reserve the second for the reflex culture if necessary.	

8.2	Test Run	
1.	Just before testing, add 3 drops of Reagent 1 (pink to light red) and 3 drops of Reagent 2 to one Test Tube for each patient and each external control. (The solution should turn light yellow).	
2.	Immediately put each patient swab into a Test Tube.	
3.	<b>Negative and Positive External Controls</b> : Vigorously mix the control contents. For each control, add 1 free falling drop from the dropper bottle to a tube containing reagents 1 and 2. Place a clean swab from the test kit into each of the control tubes.	
4.	Vigorously mix each solution by rotating the swab forcefully against the side of the Tube at least ten (10) times. Best results are obtained when specimen is vigorously extracted in the solution. Let stand one minute.	
5.	Express as much liquid as possible from the swab by squeezing the sides of the tube as the swab is withdrawn. Discard the swab into bio-hazard waste.	
6.	Remove a Test Stick from the container; recap the container immediately.	
7.	Place the Absorbent End of a Test Stick into each of the extracted samples.	
8.	Read the results at 5 minutes. Positive results may be read as soon as the red Control Line appears.	
9.	Results are invalid after the stated read time. The use of a timer is recommended.	

#### 9. CALCULATIONS

Not applicable

# **10. REPORTING RESULTS AND REPEAT CRITERIA**

#### **10.1** Interpretation of Data

**Note:** A blue or red line which appears uneven in color density is considered a valid result. In cases of moderate or high positive specimens, some blue color behind the Test Line may be seen; as long as the Test Line and Control are visible, the results are valid.

Result	Interpretation
A blue Test Line and a red Control Line. Note that the	Positive for Group A
blue line can be any shade of color.	streptococcal antigen.
A red Control Line but no blue Test Line is visible.	Presumptive Negative for
	Group A streptococcal
	antigen.
No red Control Line appears or background color makes	Invalid result.
reading the red Control Line impossible.	

#### 10.2 Rounding

Not applicable

#### **10.3** Units of Measure

Not applicable

#### 10.4 Analytical Measurement Range (AMR)

Not applicable. This is a qualitative test reported as Detected or Not Detected.

The OSOM<sup>®</sup> Strep A is a qualitative test for the detection of Group A Streptococcal antigen. This test does not differentiate between viable and nonviable Group A Streptococci.

#### **10.5** Review Patient Data

- Review patient results for unusual patterns, trends or distribution.
- Report atypical or unexpected results or trends for this test to appropriate supervisory personnel, prior to releasing results.

IF the result is	THEN
Negative	1. Issue Final report as: "Not Detected"
	2. Perform the Throat Culture / Group A <i>Streptococcus</i> Culture. <b>See also section 8.1</b>
Positive	1. Issue Final report as: "Detected"
	2. Cancel the Throat Culture / Group A <i>Streptococcus</i> Culture order.
Invalid Result	1. Issue final report as: "invalid result" using code INVD. The comment "Please repeat test if clinically indicated" will be appended to the result by the LIS.
	2. Perform the Group A <i>Streptococcus</i> Culture. See also section 8.1

#### **10.6** Repeat Criteria and Resulting

Use LIS function **MEM** to enter results.

Enter Shift: (1, 2, or 3)

Worksheet: Use WIM2 for WAH, SIM2 for SGMC, or GIM2 for GEC

Test: <Enter>

Enter "A" (Accept)

Enter Accession number

Press <Enter> until Result screen is displayed

Enter Results as listed below:

Result	Report with LIS Result Code
Detected	DET
Not Detected	NTD
Invalid	INVD

#### **11. EXPECTED VALUES**

#### **11.1 Reference Ranges**

Not Detected

# **11.2** Critical Values

None established

#### **11.3** Standard Required Messages

The following comment is automatically added to the report by the LIS when the result is invalid:

Please repeat test if clinically indicated

# **12.** CLINICAL SIGNIFICANCE

Group A *Streptococcus* (*S. pyogenes*) is the most common cause of bacterial pharyngitis ("Strep throat") causing local pharyngeal pain, adenopathy, and fever. In addition, it is important to treat infections caused by this virulent organism in order to avoid potential, morbid complications including peritonsillar and retropharyngeal abscesses, bacteremia, rheumatic fever, and acute glomerulonephritis. Group A *Streptococcus*, however, may also be isolated in small numbers as part of the oropharyngeal flora of asymptomatic carriers.

# **13. PROCEDURE NOTES**

- FDA Status: FDA Waived /Cleared or Approved
- Validated Test Modifications: None
- Approximately 19% of all upper respiratory tract infections are caused by Group A Streptococci. Streptococcal pharyngitis displays a seasonal variation and is most prevalent during winter and early spring. The highest incidence of this disease is found in crowded populations such as military bases and in school-age children.
- A negative result may be obtained if the specimen is inadequate or if the antigen concentration is below the sensitivity of this test.
- The American Academy of Pediatrics states <sup>(5)</sup>. "Several rapid diagnostic tests for GAS pharyngitis are available. The specificities of these tests generally are very high, but the reported sensitivities vary considerably. As with Throat cultures, the accuracy of these tests is most dependent on the quality of the throat specimen, which must contain tonsillar and pharyngeal secretions. Therefore, when a patient suspected of having GAS pharyngitis has a negative rapid streptococcal test, a throat culture should be obtained to ensure that the patient does not have GAS infection".
- The Genzyme OSOM<sup>®</sup> Strep A has been categorized as CLIA waived only for the application of qualitative detection of Group A Streptococcal Antigen from throat swabs. The application for the confirmation of presumptive Group A Streptococcal colonies recovered from culture is not waived.
- The use of swab specimens taken from sites other than throat or the use of other samples such as saliva, sputum or urine has not been established.

- This test does not differentiate between carriers and acute infection. Pharyngitis may be caused by organisms other than Group A *Streptococcus*.
- In the event that two swabs were submitted and the OSOM<sup>®</sup> Strep A test results were invalid from one swab, the test may be repeated using the second swab. Appropriate culture plate(s) must be setup prior to using the second swab for antigen testing. The extraction step in the OSOM<sup>®</sup> Strep A test makes the swab nonviable for culture. All criteria for a valid test must be obtained with the second swab in order to report that test result.

# 14. LIMITATIONS OF METHOD

#### 14.1 Precision

Not applicable

#### **14.2** Interfering Substances

- Gel transport medium may interfere with test results.
- The following organisms were tested at levels of approximately 1x10<sup>8</sup> organisms/test and found to be negative when tested with the OSOM<sup>®</sup> Strep A kit.

Streptococcus Group B	Cornybacterium diphtheria
Streptococcus Group C	Serratia marcescens
Streptococcus Group F	Candida albicans
Streptococcus Group G	Klebsiella pneumoniae
Streptococcus pneumoniae	Pseudomonas aeruginosa
Streptococcus sanguis	Bordetella pertussis
Streptococcus mutans	Neisseria meningitides
Haemophilus influenzae	Neisseria gonorrhoeae
Enterococcus faecalis	Neisseria sicca
Staphylococcus aureus	Neisseria subflava
Staphylococcus epidermidis	Branhamella catarrhalis

#### 14.3 Clinical Sensitivity/Specificity/Predictive Values

- In a multi-center study, OSOM<sup>®</sup> with 639 specimens from patients with pharyngitis. 464 specimens were culture negative and 454 negative by the OSOM<sup>®</sup> test for a specificity of 97.8%. Of the 175 culture positives, 168 were also positive by the OSOM<sup>®</sup> test for a sensitivity of 96.0%. Overall agreement was 97.3%
- A negative result may be obtained if the specimen is inadequate or antigen concentration is below the sensitivity of the test. Therefore, all specimens yielding negative OSOM<sup>®</sup> Group A Strep results should undergo confirmatory testing using the culture method.

• The Genzyme OSOM<sup>®</sup> Strep A should be used only with throat swabs. The use of swab specimens taken from the other sites or the use of other samples such as saliva, sputum or urine has not been established. The quality of the test depends on the quality of the sample; proper throat swab specimens must be obtained.

# **15. SAFETY**

You, the employee, have direct responsibility to avoid injury and illness at work. Nearly all harmful exposures to infectious substances and chemicals, and other injuries, can be avoided with effective training and consistent safe work practices.

Refer to your local and corporate safety manuals for detailed information on safety practices and procedures.

Report all accidents and injuries <u>immediately</u> to your supervisor or to the business unit Environmental Health and Safety Manager or Specialist.

# **16. RELATED DOCUMENTS**

- Quest Diagnostics Incorporated Corporate Safety Manual.
- Quest Diagnostics Incorporated Critical and Priority Result Policy and Procedure SOP (QDMED704).
- Material Safety Data Sheets.
- Quest Diagnostics Incorporated Directory of Services, Specimen Collection section.
- Quest Diagnostics Incorporated Policy for Training Verification (QDNQA736) and Policy for Competency Assessment (QDNQA737) SOPs.
- Quest Diagnostics Incorporated Proficiency Test Handling and Result Submission SOP (QDNQA711).
- Quest Diagnostics Incorporated Records Management Program for Record Retention Requirements.
- Streptococcus Group A Antigen with Reflex to Culture (QDMI700)
- Local Quality Control policies and procedures
- Current package insert for OSOM<sup>®</sup> Strep A
- Strep Group A Quality Control Log (AG.F35)

#### **17. REFERENCES**

- 1. Youmans G.P., Paterson, P.Y., and Sommers, H.M., Upper Respiratory Tract Infections: General Considerations, in The Biologic and Clinical Basis of Infectious Diseases, W.B. Saunders Co., Philadelphia, 177-183, 1980.
- Facklam, R.R., and Washington, J.A., Streptococcus and Related Catalase-Negative Gram-Positive Cocci, in Manual of Clinical Microbiology, 5th Edition, Balows, A., Hausler, W.J., Hermann, K.L., Isengerg, H.D., and Shadomy, H.J., Eds., Am. Society of Microbiology, Washington, D.C., 238-257, 1991.
- 3. CDC, Biosafety in Microbiological and Biomedical Laboratories, 2nd Ed., HHS Publication No. 8808395, 4-6, 1988.

- Committee on Infectious Diseases, American Academy of Pediatrics. Group A Streptococcal Infections. In: Peter,G. ed. 1994 Red Book: Report of the Committee on Infectious Diseases. 23rd ed. Elk Grove Village, IL: American Academy of Pediatrics. 1994: 430 – 437.
- Pickering LK.ed., Group A Streptococcal Infections, in 2000 RedBook; Report of Committee on Infectious Diseases, 25th ed. American Academy of Pediatrics, Elk Grove Village, IL., 528-530, 2000.
- Lauer, B.A., Reller, L.B., and Mirrett, S., Effect of Atmosphere and Duration of Incubation on Primary Isolation of Group A Streptococci from Throat Cultures, J. Clin. Microb., 17:338-340, 1983.
- 7. Wannamaker, L.W., Differences Between Streptococcal Infections of the Throat and of the Skin, N. Eng. J. Med., 282:23-31, 78-85, 1970.
- 8. OSOM<sup>®</sup> Strep A Package Insert, 2015 Sekisui Diagnostics
- 9. Assay and BD swab in liquid Amies Evaluation data, Quest Diagnostics, Collegeville, PA.

Version	Date	Section	Revision	Revised By	Approved By
1.0	5/2012		New SOP, supersedes WAH.M26.001, SGAH.M26.001, GEC.M07.001	R. Master	R. Schlesinger
1.0	5/25/12	Title pg	Update to local format	L. Barrett	R. Master
1.0	5/25/12	1	Added local test code	R. Master	R. Master
1.0	5/25/12	3.1	Add 'reject' to list of unacceptable	L. Barrett	R. Master
1.0	5/25/12	8.0	Add instruction for ordering	R. Master	R. Master
1.0	5/25/12	10.6	Add local LIS codes	R. Master	R. Master
1.0	5/25/12	11.2	Update heading to local terminology, add local policy, removed corporate policy	L. Barrett	R. Master
1.0	5/25/12	16	Add current package insert	L. Barrett	R. Master
1.0	5/25/12	19	Add QC log	L. Barrett	R. Master
1.0A	4/22/14	6.3	Changed QC frequency	R. Master	R. Master
1.0A	4/22/14	10.6	Added detail for LIS reporting	L. Barrett	R. Master
1.0A	4/22/14	11.2	Clarified not a Critical Value	R. Master	R. Master
1.0A	4/22/14	16	Log moved from section 19	L. Barrett	R. Master
1.0A	4/22/14	Footer	New local version numbering adopted per corporate policy change	L. Barrett	R. Master
1.2	6/28/16	Header	Add other sites	L. Barrett	R. Master
1.2	6/28/16	6.3	Change QC frequency to 31 days	L. Barrett	R. Master
1.2	6/28/16	11.3	Add report comment	L. Barrett	R. Master
1.2	6/28/16	13	Delete TNP comment	R. Master	R. Master
1.2	6/28/16	16	Update NQA SOPs	L. Barrett	R. Master
1.2	6/28/16	17	Update PI date	R. Master	R. Master

# **18. DOCUMENT HISTORY**

#### **19. ADDENDA**

None



# STREP Group A QUALITY CONTROL LOG

Germantown Emergency Center
 Shady Grove Medical Center

□ Washington Adventist Hospital

		C is due =							Circle																		
2	3	4 5	6 7	8	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26 27	28	29	30	3
2. Inte	ernal C	<b>Positive an</b> ontrols ma ts are not a	ust be doci	ume	ented	l each	time	the te	est is p	oerfori	ned (	Y or Y	es ind	icate	s accep	table	perfor	mance	e, N or I	No ii	ndicate	s unac	cceptable		ient.		
Date Patient Name / MR#	ient	atient	Patient	Patient Result	t		Ki			Internal Negative Control			Internal Positive Control		Internal Reagent Control	nal ent rol		-	Positiv				Externa	l Nega ntrol	ative	Г	Tech
	111		Kesun		Lot #	# / Ex	xpire			lear or <b>N</b> o	))		Red or No)		ink to Ye Yes or I		Lot	# / Ex]	pire	R	esult	Lo	t # / Exp	re	Result		
eekly r							X	Wael	dy ro	view:								V	Veekly	rovi	ow.						
eekly r										view:									Ionthly								