

# GASDN: Resulting and Archiving Group A Strep Results

## PURPOSE

This procedure provides instructions for resulting and filing GASDN group A Strep results in LIS.

## POLICY STATEMENT

- Results will be available within 24 h; refer to the [Laboratory Services](#) web page

## ABBREVIATIONS



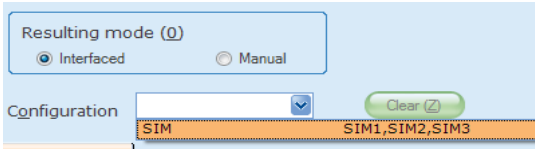
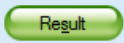
- ASR: analyte-specific reagent
- Ct: crossing threshold
- FDA: US Food and Drug Administration
- IC: internal control
- GASD: group A strep worksheet
- GASDN: Group A Strep Detection (LIS code)
- GASCT: group A strep Ct
- GASIC: group A strep internal control
- GASR: group A strep result
- LIS: laboratory information system
- PCR: polymerase chain reaction
- SAS: Specimen description
- STYP: specimen type code
- WO: worksheet


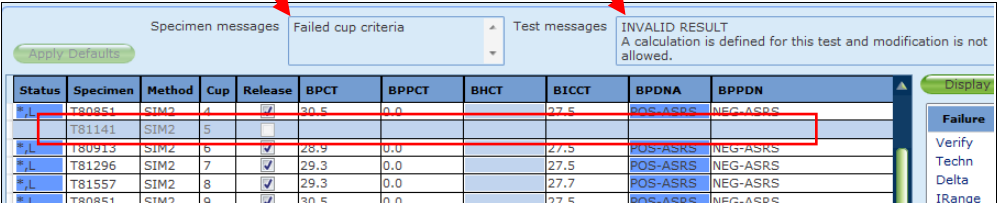





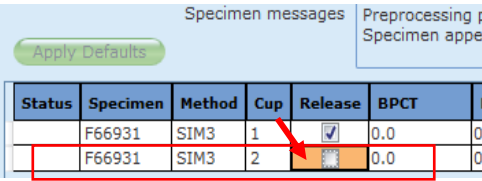
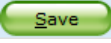
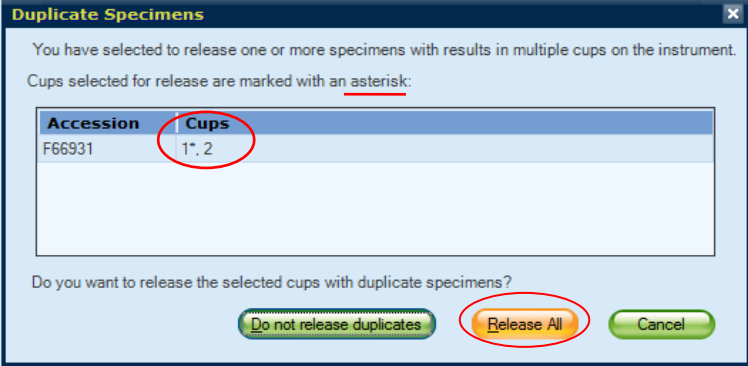
## DOCUMENTATION/RECORDS

- GAS Segment Report
- LIS Incomplete worksheet, SmarTerm Function WO, options #1

**PROCEDURE A:** Follow the activities below for reporting and archiving patient results

### Reporting Patient Results

Activity	Step	Action																		
Export results	1	Export patient test results from the <i>Simplexa</i> instrument to LIS; see <a href="#">MB 8.05 procedure H</a>																		
Computer Entry Molecular Office 	2	Reporting activities are performed in the Molecular Office																		
	3	Enter results in Sunquest Result Entry <table border="1" data-bbox="509 1394 1265 1604"> <thead> <tr> <th>Step</th> <th>Prompt</th> <th>Action/Entry</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>-----</td> <td>Click on the Sunquest icon to log on</td> </tr> <tr> <td>b</td> <td>User</td> <td>CExxxxxx</td> </tr> <tr> <td>c</td> <td>Password</td> <td>xxxxxxx</td> </tr> <tr> <td>d</td> <td>Location</td> <td><b>R</b></td> </tr> <tr> <td>e</td> <td>-----</td> <td>Click <b>OK</b></td> </tr> </tbody> </table>	Step	Prompt	Action/Entry	a	-----	Click on the Sunquest icon to log on	b	User	CExxxxxx	c	Password	xxxxxxx	d	Location	<b>R</b>	e	-----	Click <b>OK</b>
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c	Password	xxxxxxx																		
d	Location	<b>R</b>																		
e	-----	Click <b>OK</b>																		
4	Select Result Entry from Menu options 																			
SIM	5	<b>Figure 1:</b> Interface Configuration: Select <b>SIM</b> from drop down box 																		
	6	Click on the  button located in the lower left corner to populate the transmitted results																		

Activity	Step	Action																		
	7	If the page says "Waiting for cups....", the results were not successfully transmitted or the results page was accessed too quickly before the transmission was completed																		
<b>STYP code or missing code</b>  <b>Review Messages</b>  	8	STYP codes: This specimen was grayed out and not checked for release because there was a problem with the specimen type code.  <b>Figure 2: Review messages located on the top and results</b>  																		
SmarTerm  	9	<b>Solution:</b> STYP codes can be corrected or missing codes can be added in <i>Sunquest Order Entry</i> or <i>SmarTerm MEM</i>  <table border="1"> <thead> <tr> <th>Step</th> <th>Prompt</th> <th>Action/Entry</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>FUNCTION</td> <td>MEM</td> </tr> <tr> <td>b</td> <td>WORKSHEET</td> <td>GASD</td> </tr> <tr> <td>c</td> <td>TEST</td> <td>GASDN</td> </tr> <tr> <td>d</td> <td>ACC. NO.</td> <td> <ul style="list-style-type: none"> <li>Add missing code: F66931</li> <li>Replacing STYP code: M-F66931 (M for modify)</li> </ul> </td> </tr> <tr> <td>e</td> <td>SAS</td> <td>                     Entering a missing code or replacing an existing code   </td> </tr> </tbody> </table>	Step	Prompt	Action/Entry	a	FUNCTION	MEM	b	WORKSHEET	GASD	c	TEST	GASDN	d	ACC. NO.	<ul style="list-style-type: none"> <li>Add missing code: F66931</li> <li>Replacing STYP code: M-F66931 (M for modify)</li> </ul>	e	SAS	Entering a missing code or replacing an existing code 
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Duplicate results  	10	<b>Figure 3: If a run is exported more than once, uncheck the duplicate results and release the checked results</b>  																		
	11	Click  button located on the lower left corner																		
	12	<b>Figure 4: Duplicate Specimens message</b>  																		
	13	Click <b>Release All</b>																		

Activity	Step	Action
	14	<p><b>Figure 5: Verify Release to Lab; click Accept</b></p>
No Problems	15	<b>If</b>
	16	<ul style="list-style-type: none"> <li>Specimen box reads <i>Preprocessing passed</i> with no further messages</li> <li>Test box has no messages</li> <li>Sample results are acceptable</li> </ul>
		<b>Then</b>
		Click <b>Save</b> and then <b>Accept</b> (Fig. 5)
Archive	17	Record Control results from GAS Segment Report on GASD worksheet <ul style="list-style-type: none"> <li>Record Ct values in <b>GASCT</b> and <b>GASIC</b> columns</li> <li>Interpretation: Valid or Invalid</li> </ul>
	18	Staple worksheet containing specimen identifiers used during testing and GAS Segment Report together
	19	Place report in the GAS result log book in Molecular Office

**PROCEDURE C:** Follow the activities below for result manual entry in SmarTerm Function MEM  
**Inhibitory / Abnormal Results**


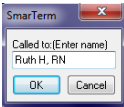
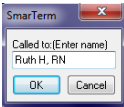
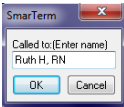
Activity	Step	Action																																							
Manual Entry  Abnormal results  SmarTerm 	1	Entering result codes manually; refer to table 1 <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Step</th> <th>Prompt</th> <th>Action/Entry</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>FUNCTION</td> <td>MEM</td> </tr> <tr> <td>b</td> <td>WORKSHEET</td> <td>----- skip for manual entry without calculations</td> </tr> <tr> <td>c</td> <td>TEST</td> <td>GASDN</td> </tr> <tr> <td>d</td> <td>ACC. NO.</td> <td>F66931</td> </tr> <tr> <td>e</td> <td>SAS1</td> <td>THR</td> </tr> <tr> <td>f</td> <td>GASCT</td> <td>----- skip</td> </tr> <tr> <td>g</td> <td>GASIC</td> <td>----- skip</td> </tr> <tr> <td>h</td> <td>GASR</td> <td>UNR-ASRSG</td> </tr> <tr> <td>i</td> <td>-----</td> <td>Click <span style="background-color: blue; color: red; padding: 2px;">Phoned Result</span></td> </tr> <tr> <td>j</td> <td>NAME</td> <td>           Enter name and last initial  </td> </tr> <tr> <td>k</td> <td>----</td> <td>Click OK, date and time stamp will default</td> </tr> <tr> <td>l</td> <td>ACCEPT</td> <td>A</td> </tr> </tbody> </table>	Step	Prompt	Action/Entry	a	FUNCTION	MEM	b	WORKSHEET	----- skip for manual entry without calculations	c	TEST	GASDN	d	ACC. NO.	F66931	e	SAS1	THR	f	GASCT	----- skip	g	GASIC	----- skip	h	GASR	UNR-ASRSG	i	-----	Click <span style="background-color: blue; color: red; padding: 2px;">Phoned Result</span>	j	NAME	Enter name and last initial 	k	----	Click OK, date and time stamp will default	l	ACCEPT	A
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**Table 1: Sunquest Result Codes**

Result	Sunquest code	Interpretation
<b>Pos</b> Interface	<b>POS-ASRS</b> Interface POS-L20-ASRS-L20	1. Positive 2. Analyte Specific Reagent: This test was developed and its performance determined by Children’s Hospitals and Clinics of MN. It has not been cleared or approved by the FDA
<b>Neg</b> Interface	<b>NEG-ASRS</b> Interface NEG-L20-ASRS-L20	1. Negative 2. Analyte Specific Reagent: This test was developed and its performance determined by Children’s Hospitals and Clinics of MN. It has not been cleared or approved by the FDA
<b>Unresolved Results</b>	<b>UNR - ASRSG</b> Function MEM	1. Unresolved: This sample is inhibitory to amplification and the results are inconclusive. Consider repeat collection if clinically indicated. 2. ASR / FDA statement 3. Phoned Result <b>Phoned Result</b> [free text name]
<b>Amplification curve abnormal</b> IC not inhibited	<b>EQ – ASRSG</b> Function MEM	1. Equivocal result, suggest repeat specimen 4. ASR / FDA statement 2. Phoned Result <b>Phoned Result</b> [free text name]
<b>Corrected report</b>	Function MEM	1. Modify results in function MEM by tying M hyphen accession number: <b>M-T54966</b> 2. Enter correct numerical result in GASCT AND GASIC fields. Computer will automatically put in a correction statement 3. In field GASR, click Phoned Result <b>Phoned Result</b> [free text name] 4. Refer to Procedure D

**PROCEDURE D:** Follow the activities below for modifying results in SmarTerm Function MEM

**Corrected Report**

Activity	Step	Action																																							
<b>Manual Entry</b>  <b>Modifying results</b>  SmarTerm 	1	Entering miscellaneous codes; refer to table 1 <table border="1" data-bbox="532 1318 1334 1948"> <thead> <tr> <th>Step</th> <th>Prompt</th> <th>Action/Entry</th> </tr> </thead> <tbody> <tr> <td>b</td> <td>FUNCTION</td> <td>MEM</td> </tr> <tr> <td>c</td> <td>WORKSHEET</td> <td>Enter GASD (required for worksheet calculations)</td> </tr> <tr> <td>d</td> <td>TEST</td> <td>GASDN</td> </tr> <tr> <td>e</td> <td>ACC. NO.</td> <td>M – F66931</td> </tr> <tr> <td>f</td> <td>SAS1</td> <td>THR</td> </tr> <tr> <td>g</td> <td>GASCT</td> <td>0 – enter correct Ct value below previous value <b>34</b> Correction statement will automatically default</td> </tr> <tr> <td>h</td> <td>GASIC</td> <td>28 <b>27.5</b> Correction statement will automatically default</td> </tr> <tr> <td>j</td> <td>GASR</td> <td>POS-L20-ASRS-L20; automatic worksheet calculation</td> </tr> <tr> <td></td> <td>----</td> <td>Click <b>Phoned Result</b></td> </tr> <tr> <td>k</td> <td>NAME</td> <td>Enter name </td> </tr> <tr> <td>l</td> <td>----</td> <td>Click OK, date and time stamp will default</td> </tr> <tr> <td>o</td> <td>ACCEPT</td> <td>A</td> </tr> </tbody> </table>	Step	Prompt	Action/Entry	b	FUNCTION	MEM	c	WORKSHEET	Enter GASD (required for worksheet calculations)	d	TEST	GASDN	e	ACC. NO.	M – F66931	f	SAS1	THR	g	GASCT	0 – enter correct Ct value below previous value <b>34</b> Correction statement will automatically default	h	GASIC	28 <b>27.5</b> Correction statement will automatically default	j	GASR	POS-L20-ASRS-L20; automatic worksheet calculation		----	Click <b>Phoned Result</b>	k	NAME	Enter name 	l	----	Click OK, date and time stamp will default	o	ACCEPT	A
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## REFERENCES

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1. Laboratory for Windows User's Guide, UD-1599/00-12-GL, Sunquest Information Systems
2. CAP Microbiology Checklist, Section Department: Molecular Diagnostics, MIC.64988, 04.21.2014, College of American pathologists, 325 Waukegan Rd, Northfield, IL 60093

### Historical Record

Version	Written/Revised by:	Effective Date:	Summary of Revisions
1	Pat Ackerman	07.20.16	Initial Version
2	P. Ackerman	07.30.2016	LIS interface protocols added; reformatted for CMS upload