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# LabCorp OTS Web Services

## Send Results Use Case

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Revision: 2.1

Date: 10/01/2011

Implementation Copy – The requirements in this document are the basis for implementation.



## Occupational Testing Services

## Information Systems Send Results Use Case

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### Revision History

Revision	Date	Author	Description
2.0	11/30/2010	Mike Murphy	Started new major revision level, 2.0 Removed revision history for levels 1.x Updated format notes for resultQuantitative
2.1	10/01/2011	Peter Gucwa	Corrected description of dateTimeSpecimenCollection
2.2	11/3/2016	PeterGucwa	Added 3 new fields to TestResult record: testName, lclsTestNumber, comment.

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## Send Results

### Use Case Summary

<b>Goal</b>	Enables a client to deliver specimen test results to a server.
<b>Frequency</b>	Multiple times per day.

### Success Scenarios

Step	Action
1	Labcorp creates a Send Results Request, sends it to the system, and logs the send event, current date, current time, destination, and accession ID of the results.
2	The server validates the request, receives the results, and sends a Send Results Response.
3	Labcorp receives the response, marks the results as delivered, logs the delivered event, current date, current time, response origin, and accession ID of the results.

### Exception Scenarios

Step	Action
2	<p>The server determines that one or more elements of the submitted data are invalid.</p> <ol style="list-style-type: none"><li>1. The system sends an Error Response to the client.</li><li>2. The client receives the Error Response, marks the results as undelivered, logs the error event, current date, current time, response origin, accession ID of the results in question, error code, error description, and error element.</li></ol>

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### Send Results Request:

Element	Optionality	Data Type	Size	Notes
userId	R	String	1-30	
Password	R	String	7-32	

### Send Results Request details:

Element	Optionality	Data Type	Size	Notes
labcorpRegistrationNumber	O	Integer		
transmissionType	R	String	2	Please see <i>Section 5.6</i> in Supplemental Specifications document for valid Transmission Ids and their meanings.
accessionNumber	R	String	10	A unique Id assigned to the specimen by the testing laboratory, used for tracking.
accountName	R	String	1-30	
accountNumber	R	String	6 or 8	
testingLabId	R	String	3	Please see <i>Section 5.0</i> in Supplemental Specifications document for valid testingLab Ids and their meanings.
accountLocationCode	O	String	0-30	May be a registered location code or an unregistered location code or no location code, depending on account.
accountLocationName	O	String	0-30	
accountLocationPhone	O	String	0-10	
donorNameFirst	O	String	0-30	
donorNameMiddleInitial	O	String	0-1	
donorNameLast	O	String	0-30	
donorPhone	O	String	0-10	
donorSSN	O	String	0 or 9	
donorReasonForTest	R	String	2	Please see <i>Section 4.9</i> in Supplemental Specifications document for valid Reason For Test Ids and their meanings.
splitSpecimenReceived	R	Boolean		
temperature	O	String	0-4	Specimen temperature in Fahrenheit at collection time.
dateTimeSpecimenCollection	O	DateTime		Date and time the specimen was collected. Collection time does not have time zone. To get the original collection time written on the COC, programmer should convert this field to US Eastern Time and drop the time zone information.
dateTimeSpecimenReceivedAtLab	R	DateTime		Date and time specimen arrived at the testing laboratory from the collector. Both date and time are significant. All times are GMT time zone.
dateTimeSpecimenReportedFromLab	R	DateTime		Date and time the specimen reported from the testing laboratory, analysis completed. Both date and time are significant. All times are

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GMT time zone.

### Send Results Request details:

Element	Optionality	Data Type	Size	Notes
collectorName	O	String	0-30	Required if DOT
collectorPhone	O	String	0-10	Required if DOT
overallSpecimenResult	O	String	1	Please see <i>Section 5.1</i> in Supplemental Specifications document for valid Overall Specimen Result Ids and their meanings.
dotRegulatedAccount	O	Boolean		
clientRegistrationId	O	String	0-50	
donorId	O	String	0-10	One of: 1. The number pre-printed on the collection form in the upper right corner 2. The donor's name in "F LASTNAME" format 3. An employer-defined identifier for their employees; value taken from the collection form
collectionSiteName	O	String	0-20	
collectionSiteAddress1	O	String	0-30	
collectionSiteAddress2	O	String	0-30	
collectionSiteAddress3	O	String	0-30	
collectionSiteCity	O	String	0-20	
collectionSiteState	O	String	0 or 2	
collectionSiteZip	O	String	0-10	
specimenId	R	String	10	The number pre-printed on the collection form in the upper right corner
priorAccount	O	String	0 or 6	Account Number prior to conversion
dotSpecimenResult	O	String	0-2	For DOT Results: Please see <i>Section 5.2</i> in Supplemental Specifications document for valid DOT Specimen Result Ids and their meanings.
certifier	O	String	0-30	Required if DOT
poctProductId	O	String	0 or 2	This field is no longer used. Its contents shall be ignored. For POCT testing, the name (Catalog ID) of the POCT device is contained in the panelId field below.
temperatureInRange	O	Boolean		Required if Urine test
mroNameFromCCF	O	String	0-30	Required if DOT
employerNameFromCCF	O	String	0-30	Required if DOT
collectionSiteId	O	String	0-10	
pscCollectionSite	O	Boolean		

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panelId	R	String	1-50	
originalLabCorpAccessionNumber	O	String	0-10	Original Accession Number. The accession number of the specimen when first tested.

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### Send Results Request details:

Element	Optionality	Data Type	Size	Notes
testResults	O	Array of TestResult		
startReportComments	O	Array of Comment		
afterHeaderReportComments	O	Array of Comment		
beforeTestResultsReportComments	O	Array of Comment		
beforeClosingReportComments	O	Array of Comment		
endOfReportComments	O	Array of Comment		
collectorCOCcomments	O	Array of Comment		

### Send Results Request details: TestResult

Element	Optionality	Data Type	Size	Notes
confirmCutoff	O	String	0-10	The confirmation cutoff can be one of 5 formats: 1. spaces 2. "N/A" 3. "1234567" 4. "123456.78" 5. "123456.789"
screeningCutoff	O	String	0-10	The screening cutoff can be one of 5 formats: 1. spaces 2. "N/A" 3. "1234567" 4. "123456.78" 5. "123456.789"
resultQualitative	O	String	1	Please see <i>Section 5.5</i> in Supplemental Specifications document for valid Qualitative Result Ids and their meanings.
resultQuantitative	O	String	0-10	The resultQuantitative can be one of 3 formats: 1. spaces, meaning no quantitative result 2. "1234567.89", 3. "123456.789"
units	O	String	0-5	Some examples: "g/dl", "pg/mg", "mg/dl"
referenceInterval	O	String	0-30	Some examples: "> OR = 200", "4.5 – 8.9", ">1.0030", ">20"

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drugId	O	String	0 or 6	Please see <i>Section 5.4</i> in Supplemental Specifications document for more details. Set to '000000' for LCLS accounts
testName	O	String	0-30	Drug name or Test name printed on report.
lclsTestNumber	O	String	6	LCLS test number
comment	O	String	0-500	Comment associated with test

### Send Results Request details: Comment

Element	Optionality	Data Type	Size	Notes
commentType	R	String	2	Please see <i>Section 5.7</i> in Supplemental Specifications document for valid Comment Type Ids and their meanings.
abbreviation	O	String	0-6	Please see <i>Section 5.8</i> in Supplemental Specifications document for valid Abbreviation Ids and their meanings.
commentText	R	String	1-500	

### Send Results Response: No elements.

**Note:** The Send Results Error Response contains an array of the following.

### Send Results Error Response:

Element	Populated	Data Type	Size	Notes
errorCode	A	Integer		Please see <i>Section 4.2</i> in Supplemental Specifications document for errorCodes and errorDescriptions.
errorDescription	A	String	1-100	
errorElement	C	String	0-50	For global errors, errorElement shall be null.

## Additional Information:

1. Send Results Web Service shall send DOT results only to Medical Review Officers.

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