

LabCollector

"Your Laboratory management solution"

User's guide

Sample Receiving API

March 2021



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1- AUTHENTICATION

One HEADER parameter is mandatory:

- Key: X-LC-APP-Auth
- Value: The token you can view/generate in **LabCollector > Admin > Others > Setup > Web services API**.

2- AVAILABLE METHODS IN SAMPLE RECEIVING WEBSERVICE

Note: URL works with HTTP and HTTPS

2-1. GET methods

2-1-1. Retrieve samples from plates having changed between two dates

- Method: GET
- URL:
[PATH_TO_RECEIVING]/API/sample.api.php?begin_time=[date]&end_time=[date]
- **Required parameter:**
 - begin_time (Y-m-d format or Y-m-d H:m:s url encoded format)
 - end_time (Y-m-d format or Y-m-d H:m:s url encoded format)

Example:

[https://\[...\]/extra_modules/receiving/API/sample.api.php?begin_time=2021-02-10&end_time=2021-02-18](https://[...]/extra_modules/receiving/API/sample.api.php?begin_time=2021-02-10&end_time=2021-02-18)

GET `https://[...]/extra_modules/receiving/API/sample.api.php?begin_time=2021-02-10&end_time=2021-02-18` Send Save

Params Authorization Headers (13) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> begin_time	2021-02-10	
<input checked="" type="checkbox"/> end_time	2021-02-18	
Key	Value	Description

Body Cookies (1) Headers (9) Test Results Status: 200 OK Time: 214 ms Size: 5.68 KB Save Respor

Pretty Raw Preview Visualize HTML ⌵

```

1  {"sample_barcode","sample_name","sample_position","sample_volume","box_id","box_name","box_comment","box_size","box_type","location_name","rack","rack_position","created_at","
2  "created_by","updated_at","closed_at","closed_by","qccapped_at","qccapped_by","qcfailed_at","qcfailed_by","workflow_started_by","project_name",
3  "module_name"}
4  [{"011","011","A1","S","1489","1234_2021_9","","A1:A:9","plate","Freezer8","Rack8","","2021-02-17
5  10:31:27","","2021-02-17 10:31:27","2021-02-17 10:31:27","Wanda Wong","","","","","1234","Samples"}
6  [{"012","012","A2","S","1489","1234_2021_9","","A1:A:9","plate","Freezer8","Rack8","","2021-02-17
7  10:31:27","","2021-02-17 10:31:27","2021-02-17 10:31:27","Wanda Wong","","","","","1234","Samples"}
8  [{"111","111","A1","S","1488","1234_2021_8","| Plating QC passed","A1:A:9","plate","Inorganic Salt
9  Box","Drying_Agents","","2021-02-17 09:22:07","","2021-02-17 09:23:26","2021-02-17 09:22:07","Wanda Wong","2021-02-17
10  09:23:26","Wanda Wong","","Wanda Wong","","","1234","Samples"}
11  [{"112","112","A2","S","1488","1234_2021_8","| Plating QC passed","A1:A:9","plate","Inorganic Salt
12  Box","Drying_Agents","","2021-02-17 09:22:07","","2021-02-17 09:23:26","2021-02-17 09:22:07","Wanda Wong","2021-02-17
13  09:23:26","Wanda Wong","","Wanda Wong","","","1234","Samples"}
14  [{"323","323","A1","S","1487","1234_2021_7","","A1:A:9","plate","Inorganic Salt Box","Drying_Agents","","2021-02-17
15  09:12:14","","2021-02-17 09:12:14","2021-02-17 09:12:14","Wanda Wong","","","","","1234","Samples"}
16  [{"322","322","A1","S","1486","1234_2021_6","| Plating QC passed","A1:A:9","plate","Top

```

2-1-2. Retrieve packages from plates having changed between two dates

- Method: GET
- URL:
[PATH_TO_RECEIVING]/API/package.api.php?begin_time=[date]&end_time=[date]
- Required parameter:
 - begin_time (Y-m-d format or Y-m-d H:m:s url encoded format)
 - end_time (Y-m-d format or Y-m-d H:m:s url encoded format)

Example:

[https://\[...\]/extra_modules/receiving/API/package.api.php?begin_time=2021-02-17%2009:00:00&end_time=2021-02-17%2015:59:59](https://[...]/extra_modules/receiving/API/package.api.php?begin_time=2021-02-17%2009:00:00&end_time=2021-02-17%2015:59:59)

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** https://[...]/extra_modules/receiving/API/package.api.php?begin_time=2021-02-17%2009:00:00&end_time=2021-02-17%2015:59:59
- Params:** Authorization, Headers (13), Body, Pre-request Script, Tests, Settings
- Query Params:**

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> begin_time	2021-02-17%2009:00:00	
<input checked="" type="checkbox"/> end_time	2021-02-17%2015:59:59	
Key	Value	Description
- Status:** 200 OK, Time: 169 ms, Size: 2.2B KB
- Response (Pretty):**

```

1  "package_name","tracking_number","arrival_date","receiver_name","comment","status","closing_date","closing_by","creation_date","log","box_id","box_name","box_comment",
   "box_size","box_type","location_name","rack","rack_position","created_at","created_by","updated_at","closed_at","closed_by","qcpassed_at","qcpassed_by","qcfailed_at",
2  "1234_2021_9","82","2021-02-17 09:17:43","Wanda Wong","","PROCESSING","","","2021-02-17 09:17:57"," | Plated by admin on
3  2021-02-17 09:22:07 | Plated by admin on 2021-02-17 10:31:27
4  ", "1489", "1234_2021_9", "", "A1:A:9", "plate", "Freezer8", "Rack8", "", "2021-02-17 10:31:27", "", "2021-02-17
5  10:31:27", "2021-02-17 10:31:27", "Wanda Wong", "", "", "", "", "", "1234", "Samples"
6  "1234_2021_9","82","2021-02-17 09:17:43","Wanda Wong","","PROCESSING","","","2021-02-17 09:17:57"," | Plated by admin on
7  2021-02-17 09:22:07 | Plated by admin on 2021-02-17 10:31:27", "1489", "1234_2021_9", " | Plating QC
8  passed", "A1:A:9", "plate", "Inorganic Salt Box", "Drying_Agents", "", "2021-02-17 09:22:07", "", "2021-02-17
9  09:23:26", "2021-02-17 09:22:07", "Wanda Wong", "2021-02-17 09:23:26", "Wanda Wong", "", "Wanda Wong", "", "1234", "Samples"
10 "1234_2021_3","76","2021-02-17 15:46:52","Wanda Wong","","PROCESSING","","","2021-02-17 15:48:39"," | Plated by admin on
11 2021-02-17 07:06:54 | Plated by admin on 2021-02-17 07:09:04 | Plated by admin on 2021-02-17 07:09:56 | Plated by admin
12 on 2021-02-17 07:29:04 | Plated by admin on 2021-02-17 08:18:39 | Plated by admin on 2021-02-17 08:47:39 | Plated by
   admin on 2021-02-17 08:56:00 | Plated by admin on 2021-02-17 08:59:13 | Plated by admin on 2021-02-17 09:12:14
14  ", "1487", "1234_2021_7", "", "A1:A:9", "plate", "Inorganic Salt Box", "Drying_Agents", "", "2021-02-17 09:12:14", "", "2021-02-17
15  09:12:14", "2021-02-17 09:12:14", "Wanda Wong", "", "", "", "", "", "1234", "Samples"
                
```

3- API ERROR MESSAGES

Message	Response code	Description
'Requires application authentication to access the Web Service'	401 Unauthorized	The request either does not have the header parameter X-LC-APP-Auth or does not have a valid value
(Empty)	405 Method not allowed	The method must be the GETmethod.
'Webservice requires user authentication'	401 Unauthorized	Deprecated
'Your IP is not allowed to access this Web Service'	401 Unauthorized	The client IP is not in the list of authorized IPs for this webservice (LC > Admin > Setup > Web service)
The request cannot be fulfilled due to bad syntax	400 Bad Request	Two parameters are mandatory: begin_time and end_time
"	200 OK	Data requested was returned successfully



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