

LabCollector

"Your Laboratory management solution"

User's guide

ELN API

Version 2.0 – Juin 2020



Summary

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1- INTRODUCTION

The LabCollector Web Service Application Programming Interface (API) allows third-party applications to interact with LabCollector's database (modules) and add-ons (ELN and LSM).

The API is based on a Representational State Transfer (REST) architecture allowing access to resources through Uniform Resource Identifier (URI) and actions on them.

Note: Since June 2017 API v1 was discontinued and all new evolutions are in API v2.

2- ELN API

2-1. URL

- URL: [PATH_TO_ELN]/webservice/index.php?v=2
- HEADER PARAMETERS:
 - X-LC-APP-Auth
 - Accept=application\json or Accept = text\xml.

Note: URL works with HTTPS and HTTP

2-2. GET

Recover data of books, experiments & pages.

- Mandatory parameter: UID (user identifier), supports numeric value or string value (=login). Example UID=1 or UID=admin
- Optional parameters:
 - Bookid: **book identifier, example:** bookid=1
 - Datefrom: **books created after of, example:** datefrom=2010-01-01
 - Dateto: **books created before of, example:** datefrom=2016-01-01
- Action and examples:

- action= **getBooks**

[PATH_TO_ELN]/webservice/index.php?v=2&UID=1&action=getBooks

- action= **getExperiments**

[PATH_TO_ELN]/webservice/index.php?v=2&UID=1&action=getExperiments&bookid=1

- action= **getPages**

[PATH_TO_ELN]/webservice/index.php?v=2&UID=1&action=getPages&experimentid=7

- action= **getPagelImages**

[PATH_TO_ELN]/webservice/index.php?v=2&UID=1&action=getPagelImages&pageid=3

- action= **getPageContent**

[PATH_TO_ELN]/webservice/index.php?v=2&UID=1&action=getPageContent&pageid=58

Note: field `page_img_status` means if the page has an image or not: '1' means the page has an image, '0' means the page has not an image

2-3. POST

Create or update pages and send images and/or content

- Mandatory parameter: `UID` (user identifier) example `UID=1`
- Optional parameters:
 - `image`: image file -form data-
 - `content`: html content
 - `pageid`: page identifier , example: `pageid=134`
 - `experimented`: experiment identifier, example: `experimentid=8`
 - `name`: page name, example: `name=page from api`

Note: If the page is not created you can also create page, leaving out parameter `pageid` and adding parameters `experimentid` and `name`:

- Response: the response is formatted as JSON or XML (not just a text OK), example:

```
{
"@attributes": {
"message": "OK"
}
}
```

2-4. Examples

- To create a new page, use parameters: `experimentid` and `name` and optionally `content` and/or `image`.
- To update an existing page, use parameters: `pageid` and optionally `content`.



<http://www.labcollector.com>
sales@agilebio.com

AgileBio USA
5473 Kearny Villa Road Suite 255
San Diego, CA 92123
USA
Tel: 347 368 1315
Fax: (800) 453 9128

<http://www.agilebio.com>

AgileBio Headquarters
75 rue de Lourmel
75015 Paris
FRANCE
Tel: 01 41 79 15 85
Fax: 01 72 70 40 22