

الجمهورية اللبنانية
وزارة الصحة العامة



Ministry of Public Health

National Barcode System for Pharmaceuticals

MediTrack API Guide



Version 1.2

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1. Introduction

The MediTrack API ensures the communication between the **National Barcode System for Pharmaceuticals** application and the other's applications. The API is a ASP.NET Web API service that uses **Token Based Authentication** in order to authenticate the request. Token-based authentication is a process where the client application first sends a request to Authentication server with a valid credential. The Authentication server sends an Access token to the client as a response. This token contains enough data to identify a particular user and it has an expiry time. The client application then uses the token to access the restricted resources in the next requests until the token is valid. If the Access token is expired, then the client application can request for a new access token.

2. Service Methods

We are using a API service with the following methods:

1.1 Token Method: Generate a token using credentials

1.1.1 URL Pattern

<http://{BaseUrl}/token>

1.1.2 Method

- POST

1.1.3 Parameters

The method takes 3 parameters:

- 1- **grant_type**: "password"
- 2- **Username**: (**String**) username
- 3- **Password**: (**String**) password

1.1.4 Reply Back

Returns back a token information in the following JSON format:

```
{  
  access_token: "_Zf1GQ4BWNasW6EXjNyM8cxE6PjBb0cff3qbYZr-ta1lCn049NcGpsLnP3jWnJ56a",  
  token_type: "bearer",  
  expires_in: 86399  
}
```

Field Name	Type
access_token	String
token_type	String
expires_in	Int32

1.2 GetMOHMedications Method: Get MOH registered and unregistered medications

1.2.1 URL Pattern

<http://{BaseUrl}/api/data/MOHMedications>

1.2.2 Method

- GET

1.2.3 Parameters

The method takes JSON object as parameter:

```
{  
    Id : bigint nullable,  
    Date : datetime nullable  
}
```

- **Id**: get all medications where id > Id.
- **Date**: get all medications created after Date.
- **Id = null & Date = null**: Get all Medications List.

1.2.4 Reply Back

Returns back a list of Medications in the following JSON format:

```
{  
    Id: 10031,  
    IsRegistered: false,  
    Code: "U2390",  
    Name: "SERUM MIXTE SIMPLE 1L SOLU PAC X12 ->ALFA LABS",  
    MedicationBrandId: 5705,  
    BrandName: "SERUM MIXTE",  
    Presentation: "12",  
    Strength: "5%-0.45%",  
    IngredientsDescription: "Glucose 5 %, Sodium chloride 0.45 %",  
    DosageFormDescription: "Injectable solution",  
    LNDIDosageFormId: 427,  
    LNDIDosageForm: "Injectable solution",  
    RouteOfAdministrationId: 3,  
    RouteOfAdministration: "Infusion",  
}
```

```

TherapeuticClassId: 1061,
TherapeuticClass: "B05BB02",
ImportLicenceNumber: null,
RegistrationNumber: null,
RegistrationDate: null,
StatusDate: null,
Status: 1,
AgentId: "85",
Agent: "ALFA LABORATOIRES S.A.L.",
RegManufacturerId: "543",
Manufacturer: "Alfa Laboratoires S.A.L.",
RegManufacturerCountryID: 1,
RegManufacturerCountry: "Lebanon",
RegManufacturerCurrencyID: null,
RegManufacturerCurrency: "",
ResponsiblePartyId: "",
ResponsibleParty: "",
ResponsiblePartyCountryId: null,
ResponsiblePartyCountry: "",
Narcotic: false,
OverTheCounter: false,
Psychotropic: false,
MedicationTypeId: 32,
MedicationType: "Generic",
BioClassTypeId: null,
BioClassType: "",
SourceTypeId: 2,
SourceType: "Manufactured",
StorageId: null,
Storage: "",
NonMarketed: 0,
NonMarketedDate: null
}

```

Field Name	Type	Notes
Id	bigint	
IsRegistered	bool	

Code	String	
Name	String	
MedicationBrandId	Bigint (nullable)	
BrandName	String	
Presentation	String	
Strength	String	
IngredientsDescription	String	
DosageFormDescription	String	
LNDIDosageFormId	Bigint (nullable)	
LNDIDosageForm	String	
RouteOfAdministrationId	Bigint (nullable)	
RouteOfAdministration	String	
TherapeuticClassId	Bigint	
TherapeuticClass	String	
ImportLicenceNumber	String	
RegistrationNumber	String	
RegistrationDate	Datetime(nullable)	
StatusDate	Datetime(nullable)	
Status	Short (nullable)	
AgentId	Bigint	
Agent	String	
RegManufacturerId	Bigint	
Manufacturer	String	
RegManufacturerCountryID	Bigint (nullable)	
RegManufacturerCountry	String	
RegManufacturerCurrencyID	Bigint (nullable)	
RegManufacturerCurrency	String	

ResponsiblePartyId	Bigint	
ResponsibleParty	String	
ResponsiblePartyCountryId	Bigint (nullable)	
ResponsiblePartyCountry	String	
Narcotic	Bool	
OverTheCounter	Bool	
Psychotropic	Bool	
MedicationTypeId	Bigint	
MedicationType	String	
BioClassTypeId	Bigint (nullable)	
BioClassType	String	
SourceTypeId	Bigint	
SourceType	String	
StorageId	Bigint (nullable)	
Storage	String	
NonMarketed	short	
NonMarketedDate	Datetime (nullable)	

1.3 Validate UHID Method: validate patient ID on UHID

1.3.1 URL Pattern

<http://{BaseUrl}/api/UHID/ValidateUHID>

1.3.2 Method

- GET

1.3.3 Parameters:

string patientId

1.3.4 Reply Back

Returns back a list in the following JSON format:

```
{
  Success: true,
  Message: "",
  PatientInfo: {
    patientUUID: "10803011587322",
    firstNameAr: "جميل",
    fatherNameAr: "دام",
    lastNameAr: "فرح",
    motherNameAr: "حليمة",
    motherLastNameAr: "لمسة",
    firstNameEn: "JAMIL",
    fatherNameEn: "DAM",
    lastNameEn: "FARAH",
    motherNameEn: "HALIMA",
    motherLastNameEn: "LAMSA",
    dateOfBirth: "2001-03-08T00:00:00",
    idNumber: "2312312312",
    registryNumber: "90",
    Gender: {
      id: "",
      name: ""
    }
  }
}
```

Field Name	Type	Notes
Success	bool	

Message	String	
PatientInfo	Object	