

# iData Reagent Consumption - Data Product Label

**Product Name:** Reagent Consumption

**Data Domain:** Instrument Consumption

**Version:** 1

**Description:**

This data product records details about reagent consumption, identifying the reagent lot used, the instrument, and the assay. It aggregates data to show reagent consumption over time, detailing the quantity of reagents consumed per day per individual device, and categorized by specific test and test type.

Data is collected from connected devices for which it has been verified that customer agreement has been obtained when necessary, and that such use is permitted by law.

**Intended Use:**

This data product is not designed for regulatory, compliance, or GxP-related purposes. It is not validated, and it does not encompass all devices, as not all are connected. Additionally, since it is derived from real-world data collected from the field, 100% accuracy cannot be guaranteed.

The data product is anticipated to be used in the following areas:

- **Inventory Management:** Support analysis and optimization of customer warehouse levels by reflecting actual consumption patterns, thus facilitating inferences about warehouse stocks.
- **Demand Planning:** Usage of actual consumption as an indicator of future demand, aiding in internal supply planning.
- **Sales:** Highlight additional sales opportunities, enhance instrument upgrade efficiency, and provide input for price-per-reportable processes.
- **Lab Optimization:** Understand and optimize capacity and resource utilization in customer labs.

**Access:**

The data product is hosted on the navify platform (AWS) and can be queried using SQL over the Redshift Data API.

CIDM integration is in place. Roche personal and technical accounts authenticate via OAuth Tokens issued by PingID (SSO).

Detailed instructions are provided when an access request is approved.

Please contact [idata.help@roche.com](mailto:idata.help@roche.com) to request access.

**Data Dictionary:**

Field	Description	Type	Example
Reagent Consumption Pk Id	Unique identifier for the reagent consumption record.	bigint	18945801
Last Update Date	The last date when this record was updated.	date	2024-06-18
Device Serial No	The serial number of the device.	string	B521-07
Device System Type	The type of the device as included in the files coming from the device itself.	string	c6000
Device Material Number	The material number of the device.	string	04745868001

Device Material Name	The material name of the device.	string	cobas 6000 core unit 150 (JP vers.)
Device Remote Service Serial Number	Serial number of the Cobas link configured for the instrument.	string	SCL71856
Module Serial Number	The serial number of the module.	string	16F0-03
Module Type Code	The type of the module as included in the files coming from the device itself.	string	c701
Module Material Number	The material number of the module.	string	05641489001
Module Material Name	The material name of the module.	string	cobas 8000 cobas c 701 module
Device Reference System Type	Harmonized system type as provided by the “connected devices” data product of the entitlements domain harmonized list of values.	string	Cobas 8000, Cobas Pro
Device Ship To Account Number	Account number that identifies the device delivery address.	string	
Device Sold To Account Number	Account number that identifies the legal counterpart in a transaction related to this device.	string	
Device Bill To Account Number	Account number that identifies the recipient of the invoice for a supply-chain transaction related to the device.	string	
Device Location Account Number	Account number that identifies where the device is located.	string	
Device Location Account Name	The name corresponding to the LocationAccountNumber.	string	
Device Location	The approximate installed location of this instrument in the Equipment Master System.	string	MVZ Ravensburg GbR, 87439, Kempten, DE
Test Name	The name of the performed test.	string	Anti-HBs Gen.2 IVD
Test ACN	The Application Code Number.	string	1170 (Corelab), SARS-COV-2^SARS-COV-2^99ROC (Molecular)
Asap Name	The Name of the Assay Specific Analysis Package.	string	SW COBAS 4800 2.1 BRAF AP V1.1.0
Asap Version	The Version of the Assay Specific Analysis Package.	string	1.1.0.1330
Asap Material Number	The Material Number of the Assay Specific Analysis Package.	string	07089309001

Loinc Code	LOINC Code (Logical Observation Identifiers Names and Codes).	string	5193-8
Date	Date which indicates the start of the period.	date	2021-06-01
Consumption Type	Specifies if the consumption took place for a standard, QC, or calibration operation.	string	standard
Reruns Count	How many reruns took place during that period.	int	2
Consumption Count	How many consumptions took place in the period.	int	5
Consumption Amount Sum	How many units were consumed? (number of pipettings) in the period. If during one calibration operation two units were consumed, the "Consumptions" field increases by 1, the Consumption Amount field by 2.	int	6
Reagent Material Number	The material number of the reagent consumed.	string	05894816190
Reagent Material Name	The material name of the reagent consumed.	string	Anti-HBs G2 Elecsys cobas e 100
Reagent Lot Number	The lot number of the reagent consumed.	string	503337
Reagent Container Code	The code of the container	string	575002
Container Serial No	The Identifier of the reagent container.	string	61069
Container Size	The size of the container.	int	100