Manual

"Modifying a document template"

LabBook Version 3.6

January 2026

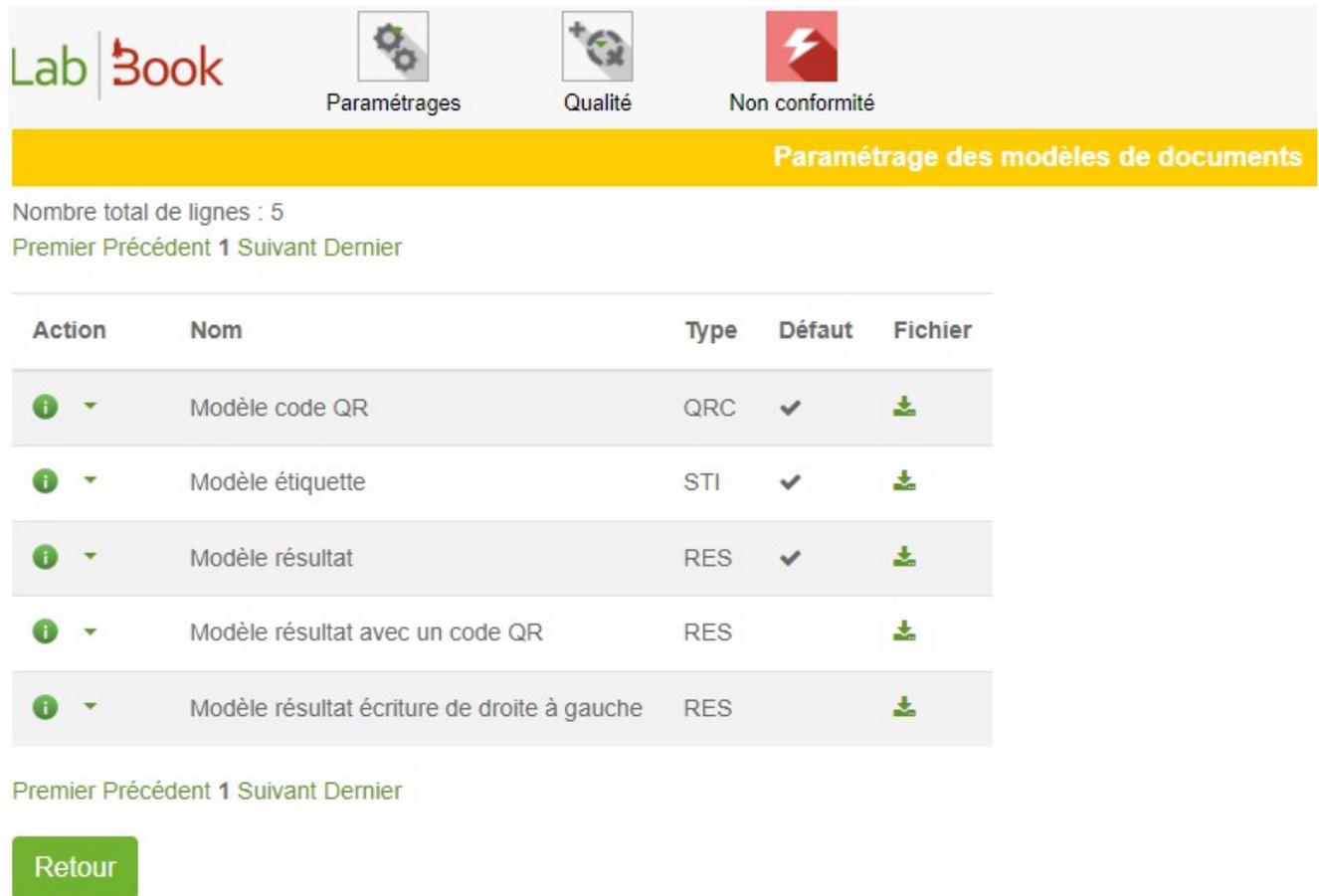# Table of Contents

Modify a document template

Existing templates are available in the administrator area.

They are in ODT format and can be edited with LibreOffice or OpenOffice (except for QR code templates).

This document does not explain how to paginate a document, but rather how to make certain parts of a document variable so that LabBook can complete them.

Defining a variable

You need to insert a "placeholder." Insert => Fields
=> Other fields
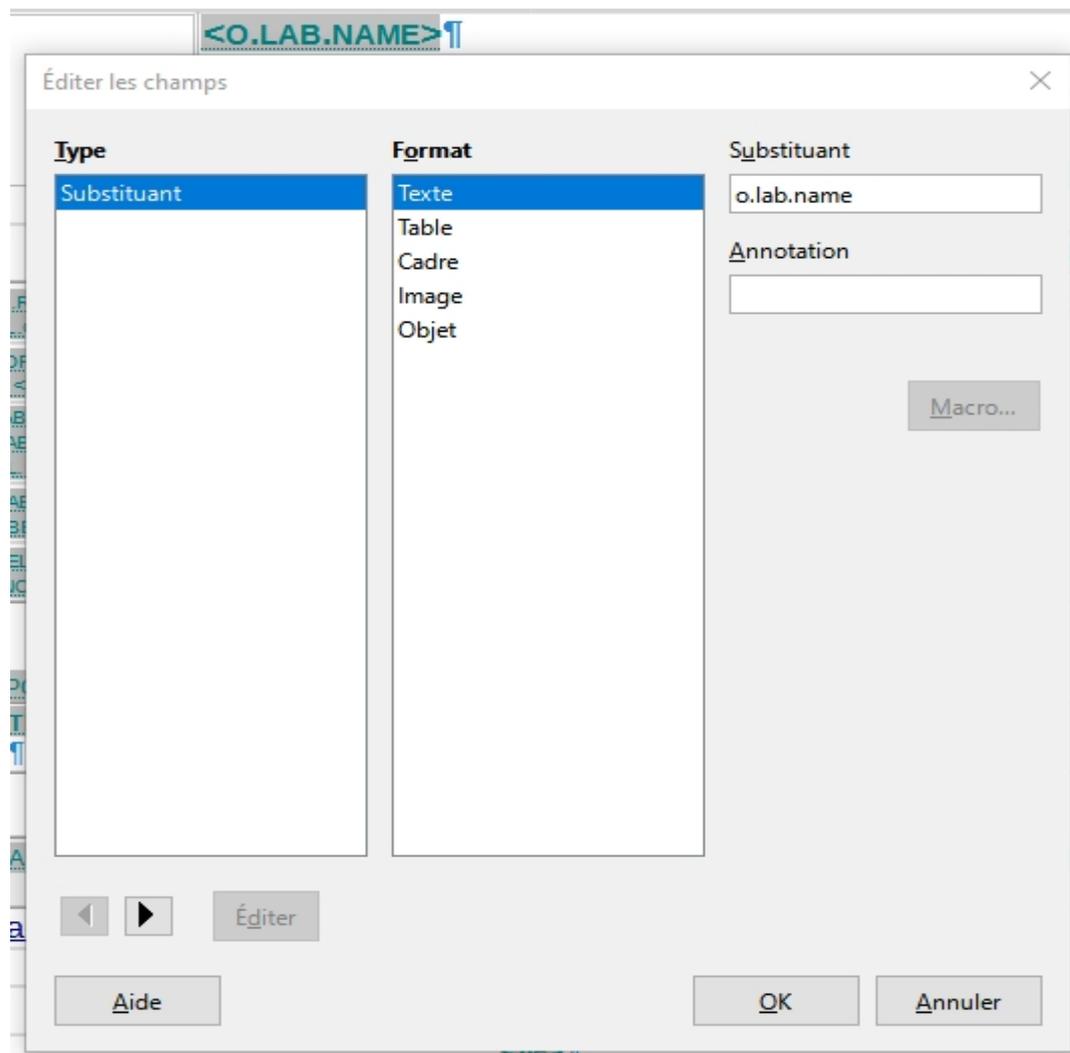
The syntax in the "Substitute" field is as follows:
o.category_name.data_name.

(see list of data available at the end of the document).

You can then change the font style to suit your preferences.

Define a logical test

IF test

Via a substitute: Insert => Fields => Other fields.
In the example, the complete substitute is: if test="o.report.full_comm == 'Y' and
o.rec.comm".

All tests must be closed with their equivalent using the following syntax.

CHOOSE test

Via a hyperlink: Insert => Hyperlink.

for each="res in data.l_res"¶			

<RES.LABEL>¶	choose¶
	when bold_value =='Y'¶
	       <RES.VALUE></IF
	TEST="RES.UNIT"> <RES.UNI
	        T></IF>
	/when¶
	otherwise¶
	       <RES.VALUE></IF
	TEST="RES.UNIT"> <RES.UNI
	        T></IF>
	/otherwise¶
	/choose¶
		<RES.REFERENCES>¶	<RES.PREV_DATE>
			<RES.PREV_VAL></IF
			TEST="RES.UNIT">
			<RES.PREV_UNIT></IF>¶

The principle is to choose between two or more options.

Here, we want to use bold when bold_value equals Y and normal font when it does not equal Y.

Define a hyperlink opening CHOOSE followed by one (or more) hyperlinks WHEN then /WHEN, then OTHERWISE and /OTHERWISE, and finally conclude with /CHOOSE.

Hyperlinks must follow the following syntax in the URL field: relatorio://...

Note: The *Text* section can be filled in as you wish, only the *URL* section must follow the required syntax.

choose¶   <RES.REFERENCES>¶   <RES.PREV_DATE>

Hyperlien   ×

Internet

Type d'hyperlien

Proto<u>c</u>ole :   ⦿ <u>W</u>eb   ○ <u>F</u>TP

<u>U</u>RL :   relatorio://choose test=""

Te<u>x</u>te :   choose

choose¶   <RES.REFERENCES>¶   <RES.PREV_DATE>
when·bold_value·=='Y'¶   <RES.PREV_VAL><IF
                                                 TEST="RES.UNIT">

Hyperlien   ×

Internet

Type d'hyperlien

Proto<u>c</u>ole :   ⦿ <u>W</u>eb   ○ <u>F</u>TP

<u>U</u>RL :   relatorio://when test="res.bold_value ==

Te<u>x</u>te :   when bold_value =='Y'
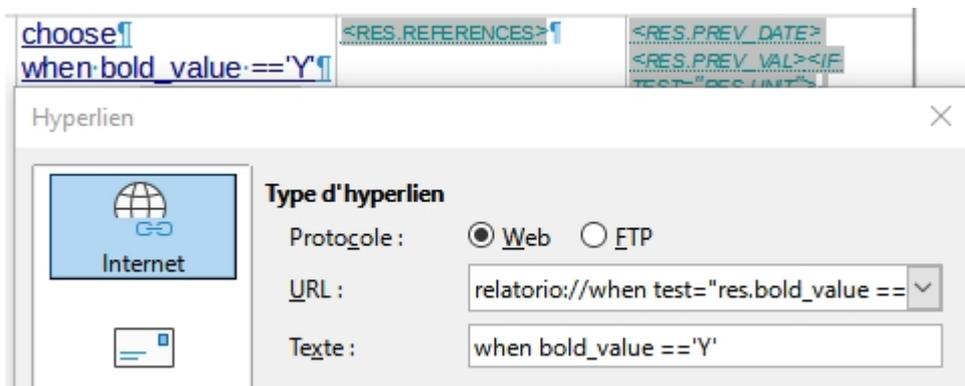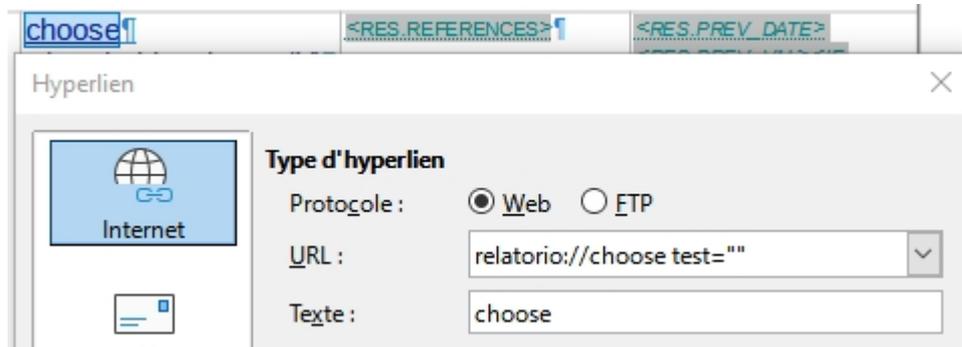
FOR loop

Via a hyperlink: Insert => Hyperlink.
To repeat a paragraph or line with a set of data (such as o.l_data and o.l_data.l_res).

<O.LABEL.ANALYZES>¶	<O.LABEL.RESULTS>¶	<O.LABEL.REFERENCES>¶	<O.LABEL.PREVIOUS>¶
for·each="data·in·o.l_data"¶			
	<IF·TEST="DATA.FAM_NAME">¶		
	<DATA.FAM_NAME>¶		
	</IF>¶		

Open the FOR with a hyperlink

for·each="data·in·o.l_data"¶

Hyperlien   ×

Type d'hyperlien

Internet

Protocole :   ⦿ Web   ○ FTP

URL :   relatorio://for each="data in o.l_data"   ⌄

Texte :   for each="data in o.l_data"

Close the FOR with a hyperlink

/for¶
¶

Hyperlien   ×

Type d'hyperlien

Internet

Protocole :   ⦿ Web   ○ FTP

URL :   relatorio:///for   ⌄

Texte :   /for
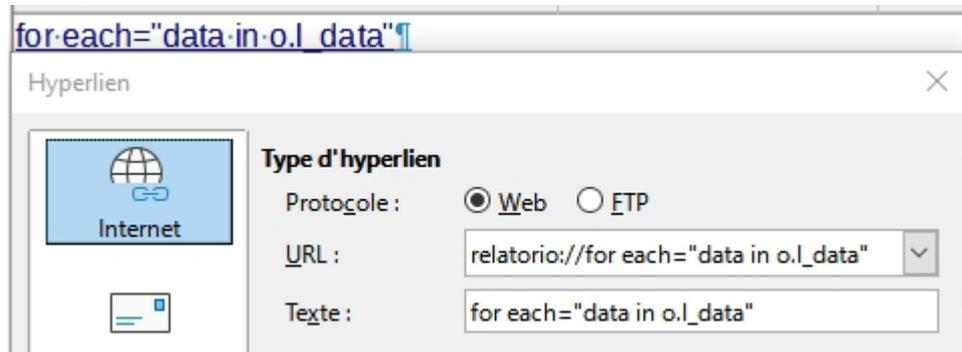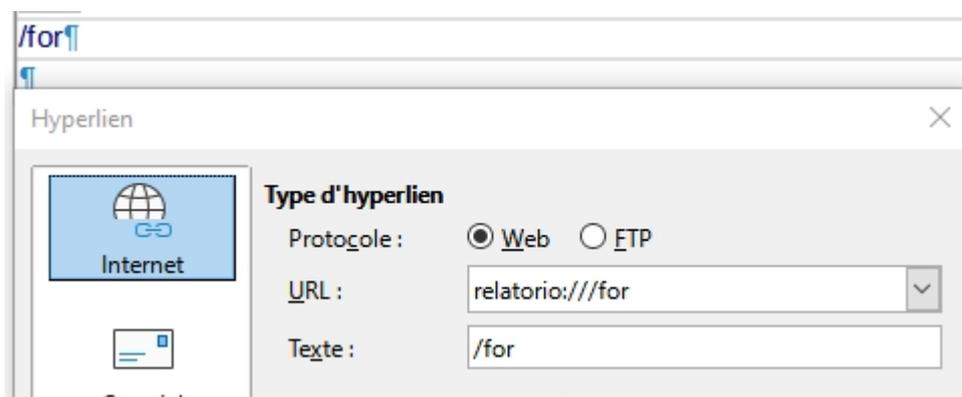
Define a frame for an image

Insert => Frame

The syntax to use in the Options tab, then in the name fields, is as follows: image: *o.category.data_name*
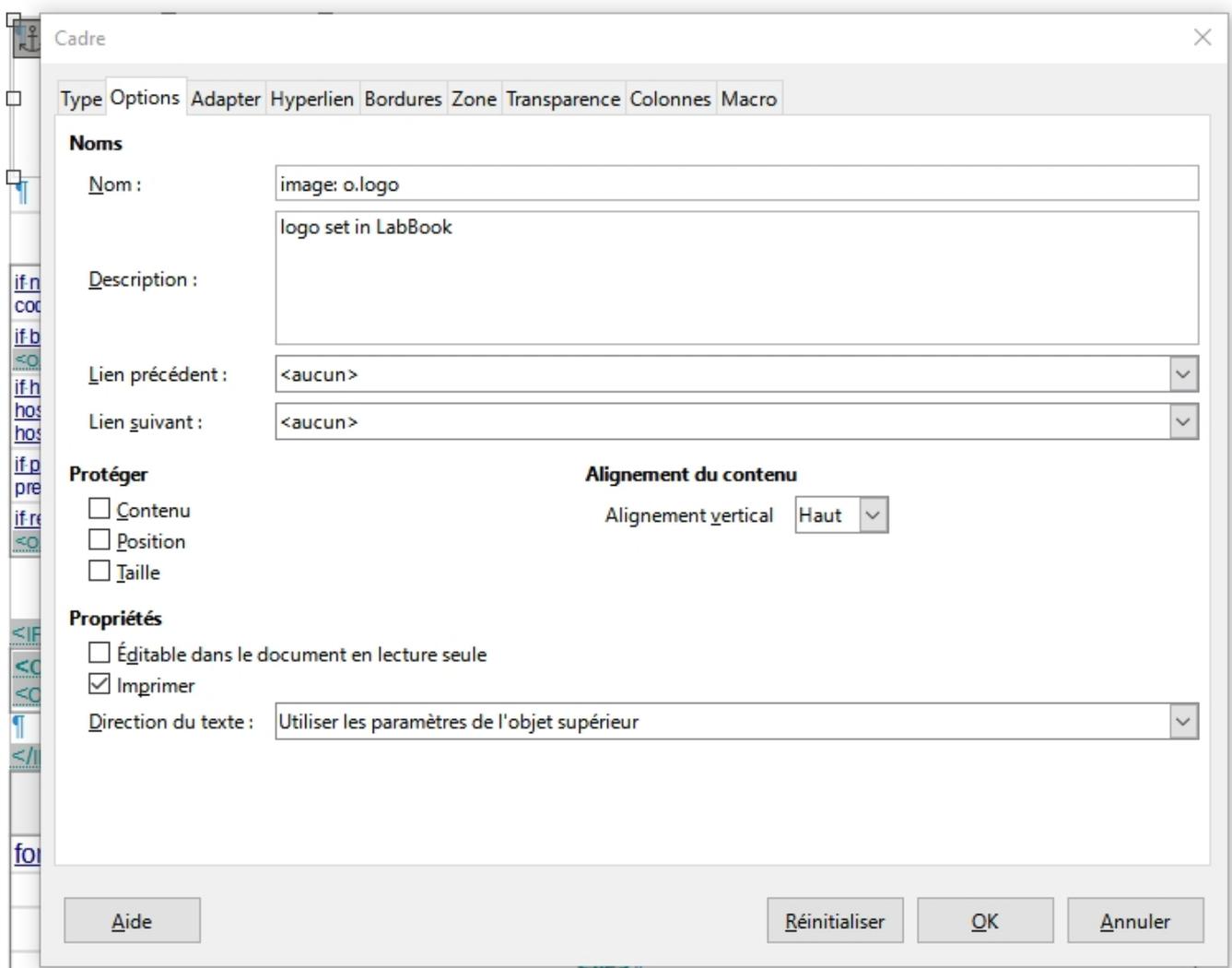
To replicate an image several times on the same template, you must adapt the simple syntax mentioned above, ensuring that the ending number is unique in your template for each image.

Cadre   ×

Type Options Adapter Hyperlien Bordures Zone Transparence Colonnes Macro

Noms

Nom :   image: (o.img.code39, 'image/png', None, None, 2)
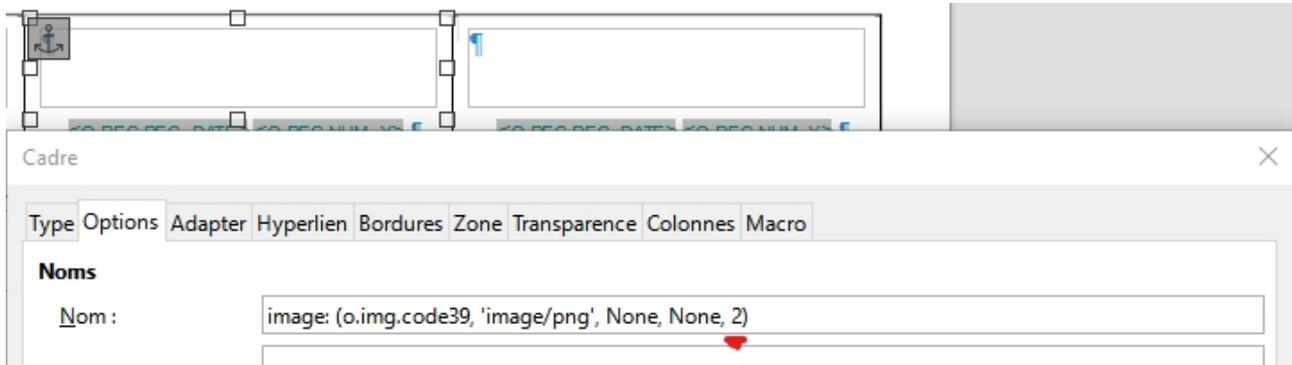
Define a QR code template

QRC templates are used to generate an image in the form of a QR code.
This image can be inserted into a result template (see: Defining a frame for an image).
Only one QR code can be inserted into a result template.
This generation is triggered by setting an analysis variable in the repository (Example analysis B4274).

Générer un code QR   ● Oui   ○ Non

The QR code template is in TOML format

Default example provided:

```
# -*- coding:utf-8 -*-
version = 1

[QRcode]
# Integer from 1 to 40 that controls the size of the QR Code (the smallest,
version 1, is a 21x21 matrix)
# Set to 0 and use the fit parameter when making the code to determine this
automatically.

version = 0

# Options: L, M, Q, H (respectively 7%, 15%, 25%, 30% or less errors can be
corrected)

error_correction = "H"

# Dynamic value options:
# {{ o.rec.rec_date }}, {{ o.rec.num_y }}, {{ o.rec.num_m }}, {{ o.rec.num_d }}
# {{ o.pat.lastname }}, {{ o.pat.firstname }}, {{ pat.maidenname }}, {{
o.pat.middlename }},
# {{ o.pat.code_lab }}, {{ o.pat.code }}, {{ o.pat.sex }}, {{ o.pat.age }}, {{
o.pat.age_unit }}
# {{ o.res.value }}, {{ o.res.unit }}, {{ o.res.valid_date }}

text = "{{ o.pat.lastname }} {{ o.pat.firstname }} , {{ o.pat.code_lab }} , {{
o.pat.sex }} , {{ o.pat.age }} {{ o.pat.age_unit }} , {{ o.res.valid_date }} ,
{{ o.res.value }}"
```

Available data

For the analysis report template

Logo section

o.logo   This is an image

Translated words or expressions section

o.label.phone	Tel
o.label.fax	Fax
o.label.email	Email
o.label.record	File
o.label.code	Code
o.label.born	Born on
o.label.admit	Admitted on
o.label.at	in
o.label.bed	Bed
o.label.by	by
o.label.exam_presc	Examination prescribed on
o.label.save	Saved on
o.label.edit	Edited on
o.label.analyzes	ANALYSIS
o.label.results	RESULT
o.label.references	References
o.label.previous	Previous
o.label.comm	Comment
o.label.validate	Validated by
o.label.technician	technician
o.label.sampling_info	Sampling information
o.label.sampled_at	Samples the
o.label.received_at	Received

Laboratory information section

o.lab.name
o.lab.head2
o.lab.head3
o.lab.addr
o.lab.phone
o.lab.phone
o.lab.fax
o.lab.email

Report information section

o.report.title	Report
o.report.status	
o.report.full_comm	Y or N
o.report.full_head	Y or N
o.report.date_now	
o.report.time_now	
o.report.replace	
o.report.replace_date	
o.report.report_pwd	Y or N

File information section

o.rec.rec_date	
o.rec.num_y	
o.rec.num_m	
o.rec.num_d	
o.rec.num_int	
o.rec.hosp	Y or N
o.rec.hosp_date	
o.rec.hosp_service	
o.rec.hosp_bed	
o.rec.presc_date	
o.rec.presc_name	
o.rec.custody	Y or N
o.rec.comm_title	Clinical information
o.rec.comm	
o.rec.date_vld	
o.rec.num	
o.rec.rec_hosp_num	
o.rec.date_save	

Patient information section

o.pat.anonymous	
o.pat.code	
o.pat.code_lab	
o.pat.lastname	
o.pat.firstname	
o.pat.maidenname	
o.pat.middlename	
o.pat.birth	
o.pat.age	
o.pat.age_unit	
o.pat.age_days	
o.pat.sex	Unknown, Male, or Female

o.pat.addr
o.pat.zipcode
o.pat.city
o.pat.district
o.pat.pbox
o.pat.phone
o.pat.phone2
o.pat.profession
o.pat.nationality
o.pat.resident   Y or N
o.pat.blood_group
o.pat.blood_rhesus
o.pat.*id_of_your_new_field*

This type of keyword must be enclosed in an existence test (see example below):

Section containing information about the analyses in this file

o.l_data→ this is a list, so you need to loop through it with a for

o.l_data.fam_name
o.l_data.ana_name
o.l_data.ana_comm→ this is a list, so you need to loop through it with a for
o.l_data.validate

o.l_data.l_res→ this is a list, so you need to loop through it with a for o.l_data.l_res.label
o.l_data.l_res.value
o.l_data.l_res.unit
o.l_data.l_res.references
o.l_data.l_res.prev_date
o.l_data.l_res.prev_val
o.l_data.l_res.prev_unit
o.l_data.l_res.bold_value   Y or N
o.l_data.l_res.highlight   Y or N
o.l_data.l_res.formatting   Y or N
o.l_data.l_res.comm
o.l_data.l_res.var_comm
o.l_data.l_res.valueConv
o.l_data.l_res.unitConv
o.l_data.ana_outsourced   Outsourced
o.l_data.ana_ast   Y or N

o.l_data.ana_with_one_result	Y or N
o.l_data.tech_validate	
o.l_data.l_res.value_ast	R, I, or S
o.l_data.l_res.in_report	Y or N

Section containing information about the samples in this file

o.samples→ This is a list, so you need to loop through it with a for

loop. o.samples.date
o.samples.type
o.samples.qty
o.samples.stat
o.samples.sampler
o.samples.date_receipt
o.samples.time_receipt
o.samples.comm
o.samples.location
o.samples.location_det
o.samples.storage
o.samples.code
o.samples.code_ana

QR code information section

o.res.value
o.res.unit
o.res.valid_date
o.res.qrcode   it is an image

Signature section

o.signature   This is an image

For the transfer form template

Logo section

o.logo   it is an image

Translated words or expressions section

o.label.phone
o.label.fax
o.label.email
o.label.record
o.label.code
o.label.born
o.label.admit
o.label.at
o.label.bed
o.label.by
o.label.exam_presc
o.label.save
o.label.edit
o.label.analyzes
o.label.results
o.label.references
o.label.previous
o.label.comm
o.label.validate

Laboratory information section

o.lab.name
o.lab.head2
o.lab.head3
o.lab.addr
o.lab.phone
o.lab.phone
o.lab.fax
o.lab.email

Report information section

o.report.title   Transfer form
o.report.full_comm   Y or N
o.report.full_head   Y or N
o.report.date_now
o.report.time_now

File information section

o.rec.rec_date
o.rec.num_y
o.rec.num_m
o.rec.num_d
o.rec.num_int
o.rec.hosp   Y or N
o.rec.hosp_date
o.rec.hosp_service
o.rec.hosp_bed
o.rec.presc_date
o.rec.presc_name
o.rec.custody   Y or N
o.rec.comm_title   Clinical information
o.rec.comm
o.rec.date_vld
o.rec.num
o.rec.rec_hosp_num
o.rec.date_save

Patient information section

o.pat.anonymous
o.pat.code
o.pat.code_lab
o.pat.lastname
o.pat.firstname
o.pat.maidenname
o.pat.middlename
o.pat.birth
o.pat.age
o.pat.age_unit
o.pat.age_days
o.pat.sex   Unknown, Male, or Female
o.pat.addr
o.pat.zipcode
o.pat.city
o.pat.district
o.pat.pbox
o.pat.phone
o.pat.phone2
o.pat.profession
o.pat.nationality
o.pat.resident   Y or N
o.pat.blood_group
o.pat.blood_rhesus
o.pat.*id_of_your_new_field*

This type of keyword must be enclosed in an existence test (see example below):

Section containing information about the analyses in this file

o.l_data→ this is a list, so it must be looped with a for

o.l_data.fam_name
o.l_data.ana_name
o.l_data.ana_comm→ this is a list, so you need to loop through it with a for
o.l_data.ana_outsourced   Y or N
o.l_data.ana_ast   Y or N

Section containing information about the samples in this file

o.samples→ This is a list, so you need to loop through it with a for loop.

o.samples.date
o.samples.type
o.samples.qty
o.samples.stat
o.samples.sampler
o.samples.date_receipt
o.samples.time_receipt
o.samples.comm
o.samples.location
o.samples.location_det
o.samples.storage
o.samples.code
o.samples.code_ana

For the administrative file label template

Available labels section

o.img.code39   this is an image
o.img.qrcode   it is an image

File information section

o.rec.num
o.rec.num_y
o.rec.num_m
o.rec.num_d
o.rec.rec_date

Patient information section

o.pat.anonymous   Y or N
o.pat.code
o.pat.code_lab
o.pat.lastname
o.pat.firstname
o.pat.maidenname
o.pat.middlename
o.pat.birth
o.pat.age
o.pat.age_unit
o.pat.age_days
o.pat.sex   Unknown, Male, or Female
o.pat.addr
o.pat.zipcode
o.pat.city
o.pat.district
o.pat.pbox
o.pat.phone
o.pat.phone2
o.pat.profession
o.pat.nationality
o.pat.resident   Y or N
o.pat.blood_group
o.pat.blood_rhesus
o.pat.*id_of_your_new_field*

This type of keyword must be enclosed in an existence test (see example below):

For the billing template

Translated words or expressions section

o.label.total	Total
o.label.total_remain	Total to pay
o.label.analyzes_requested	Requested analyses
o.label.discount	Discount on billing
o.label.percent_discount	Discount percentage
o.label.percent_insurance percentage	Health insurance/mutual insurance

Billing section

o.invoice.title	Invoice
o.invoice.date_now	
o.invoice.time_now	

File information section

o.rec.invoice_num
o.rec.type_discount
o.rec.percent_discount
o.rec.percent_insurance
o.rec.invoice_total
o.rec.invoice_remain

Section containing information about the analyses in this file

o.l_data.ana_name	
o.l_data.ana_code	
o.l_data.ana_loinc	
o.l_data.ana_outsourced	Outsourced
o.l_data.ana_price	

For the billing statement template

Section on translated words or expressions

o.label.total	Total
o.label.total_remain	Total to pay
o.label.billing_status	Billing status
o.label.from_	from
o.label.to_	to
o.label.rec_num	File No.
o.label.receipt_num	Receipt number
o.label.bill_num	Invoice number
o.label.price	Price
o.label.remain	Amount due

Billing status section

o.bill.title	Billing status
o.bill.date_now	
o.bill.time_now	
o.bill.date_beg	
o.bill.date_end	
o.bill.bill_total	
o.bill.bill_remain	

Section containing information about the analyses in this file

o.l_data.rec_num
o.l_data.receipt_num
o.l_data.bill_num
o.l_data.bill_price
o.l_data.bill_remain

For the activity report template

Translated words or expressions section

o.label.by_type   Analyses by type of request
o.label.by_age   Analysis by age group
o.label.external   External
o.label.inpatient   Hospitalized
o.label.oncall   On call
o.label.legend   M = Male, F = Female, U = Unknown
o.label.activity_report   Activity report
o.label.analysis_family   Analysis family

o.label.age_col1
o.label.age_col2
o.label.age_col3
o.label.age_col4
(one line o.label.age_colX per interval defined in age_interval_setting)

o.label.M   H
o.label.F   F
o.label.U   I

Activity report section

o.activity.title   Activity report
o.activity.date_now
o.activity.time_now
o.activity.family
o.activity.date_beg
o.activity.date_end

Type and age section

o.l_type.ana_name
o.l_type.ana_code
o.l_type.ext_M
o.l_type.ext_F
o.l_type.ext_U
o.l_type.inp_M
o.l_type.inp_F
o.l_type.inp_U
o.l_type.onc_M
o.l_type.onc_F
o.l_type.onc_U
o.l_type.tot_M

o.l_type.tot_F
o.l_type.tot_U
o.l_age.ana_name
o.l_age.ana_code
o.l_age.age_tot_M
o.l_age.age_tot_F
o.l_age.age_tot_U

o.l_age.age_col1_M
o.l_age.age_col1_F
o.l_age.age_col1_U
o.l_age.age_col2_M
o.l_age.age_col2_F
o.l_age.age_col2_U
o.l_age.age_col3_M
o.l_age.age_col3_F
o.l_age.age_col3_U
o.l_age.age_col4_M
o.l_age.age_col4_F
o.l_age.age_col4_U
(a series of three lines o.l_age.age_colX_M / _F / _U for each age interval)