

BA200 | BA400

BioSystems

Veterinary configuration manual

English

Veterinary analysis

human - centred biotech



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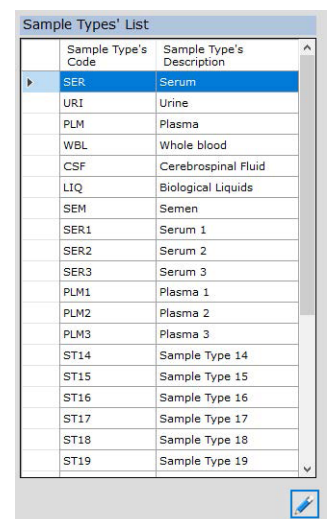
1. Set Customer Tests

1.1. Goal

One of the most common requests at veterinary sector, due the lack of specific VET software, is the chance to programming techniques with multiple reference range. Frequently these reference values differ significantly between species, or even between breeds and/or age of the patients. For that purpose, we will create different types of samples for each technique without need of duplicate the original test. This will enable us, apart from add more reference ranges according to specie, breed or age, set other aspects corresponding specifically to this technique according the concrete specie. For example, select an automatic pre-dilution in some species which normality ranges are higher than the linearity for the test itself, or repeat automatically certain concentrations according to the specie, among others.

1.2. Strengths

- Calibrations can be shared by different type of samples/species, since it is for the same test. Calibrator will be assigned to a specie XXX and for the rest, we should go to Programming > Tests > Calibration and Blank, and select the option Use Alternative calibrator XXX.
- Due we are working with the same technique, Reagent Blanks are shared for different types of sample/species.
- If the programming of the technique is not modified by type of sample/specie (dispensation volumes for sample and reagents), it will be only needed to assign an internal control to a type of sample/specie and this will be extrapolated to the rest of tests.
- However, if the programming of the test is modified by type of sample/specie (dispensation volumes for sample and reagents), it is possible to set specific controls for specie.





Sample Type's Code	Sample Type's Description
SER	Serum
URI	Urine
PLM	Plasma
WBL	Whole blood
CSF	Cerebrospinal Fluid
LIQ	Biological Liquids
SEM	Semen
SER1	Serum 1
SER2	Serum 2
SER3	Serum 3
PLM1	Plasma 1
PLM2	Plasma 2
PLM3	Plasma 3
ST14	Sample Type 14
ST15	Sample Type 15
ST16	Sample Type 16
ST17	Sample Type 17
ST18	Sample Type 18
ST19	Sample Type 19

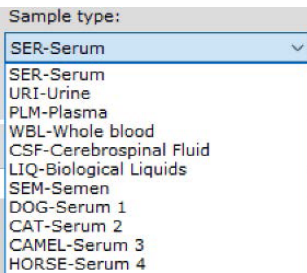
Edit new type of samples

1.3. Follow-up Steps



1.3.1. Create different species

1. At Main Menu, go to Programming > Sample Types' Maintenance.
2. On the list Type of Sample, select any type of sample from SER1 (See image "Edit new type of samples"). Select 
3. Assign a code and description to the type of sample selected.
4. Save changes 

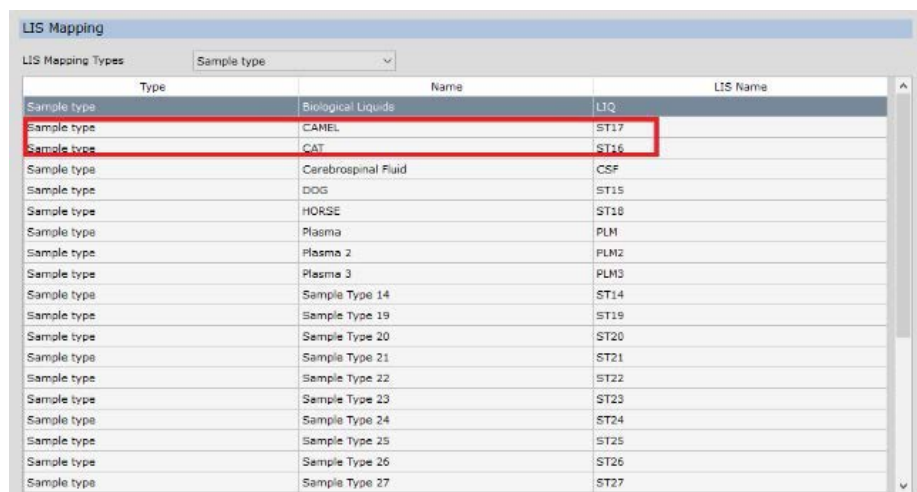
1.3.2. Assign new species to the test



Assign new kind of samples

1. At the Main Menu, go to Programming > Test.
2. Select the test for its edition. Select 
3. At General tab, Analysis configuration, select one of the species we want to associate to the test. See image "Assign new kind of samples".
4. Set the test as you wish (adding reference values, repetition criteria, etc.).
5. Save changes 
6. If there are more species to assign, repeat the steps from 1-5.

Note: if the customer has the equipment connected to LIMS, keep in mind to share with them the Name of LIS for any kind of sample created (on this case, will continue being by default #SER, ST#, etc.) to keep a proper communication. See image "Mapping for LIS".



Type	Name	LIS Name
Sample type	Biological Liquids	LIQ
Sample type	CAMEL	ST17
Sample type	CAT	ST16
Sample type	Cerebrospinal Fluid	CSF
Sample type	DOG	ST15
Sample type	HORSE	ST10
Sample type	Plasma	PLM
Sample type	Plasma 2	PLM2
Sample type	Plasma 3	PLM3
Sample type	Sample Type 14	ST14
Sample type	Sample Type 19	ST19
Sample type	Sample Type 20	ST20
Sample type	Sample Type 21	ST21
Sample type	Sample Type 22	ST22
Sample type	Sample Type 23	ST23
Sample type	Sample Type 24	ST24
Sample type	Sample Type 25	ST25
Sample type	Sample Type 26	ST26
Sample type	Sample Type 27	ST27




Mapping for LIS

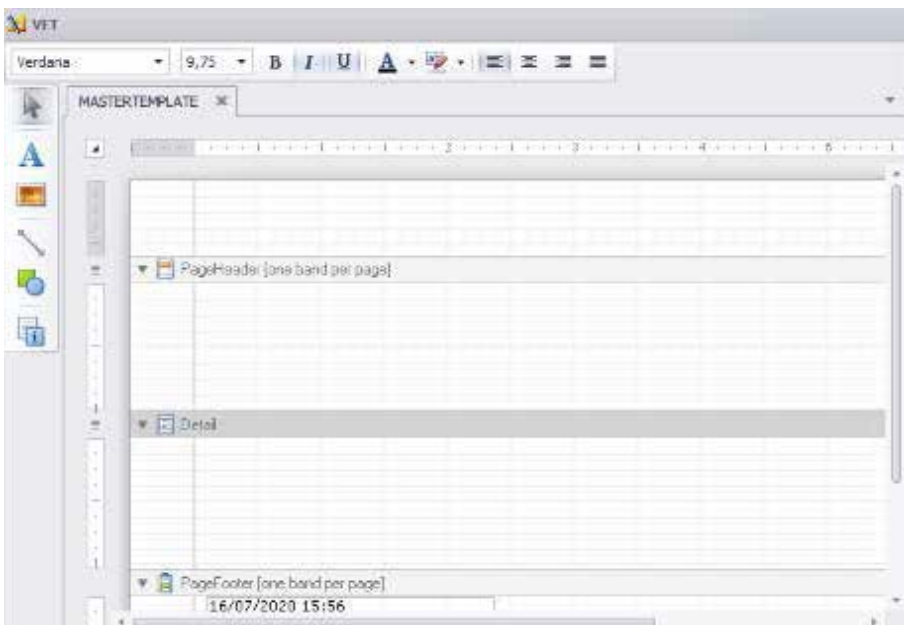
2. Configuration Customized Vet Reports

2.1. Goal

Many of the users at vet sector do not work with LIMS. Due this fact, it is mandatory be able to edit results reports with the customer information.

2.2. Follow-up Steps

1. At the Main Menu, go to Configuration > Reports.
2. Create a new report. It is not possible to edit the reports that appear by default on the software. For that purpose, select 
3. Type the name of the draft, select report orientation (portrait/landscape) and set as a preferred Draft by default.
4. Edit the draft 
5. Edit the header, main text and the footer with the tools that appear on the main page (See image “Edit results reports”). It is possible to ad images or logotypes, text, boundary lines, etc.
6. Close the edition page. On the pop-up message to ensure you want to save changes, click YES.
7. Save changes 





Edit results reports

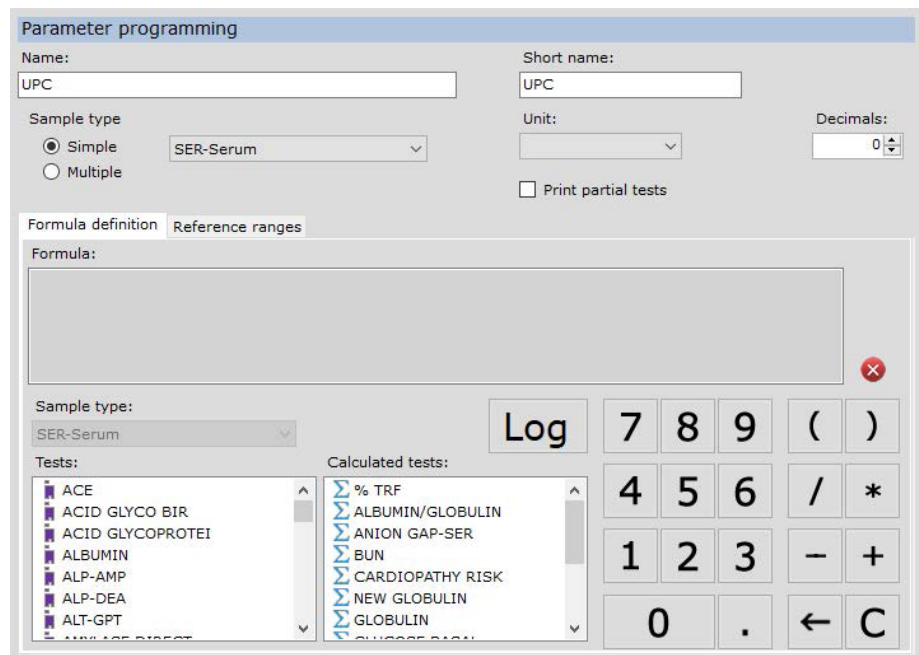
3. Create New Calculated Tests

3.1. Goal

There are test as UPC (protein-to-creatinine-ratio in urine) that are not predesigned by default at our software. These techniques can be created according our customer request.

3.2. Follow-up Steps

1. On the Menu, go to Programming > Calculated test.
2. Create a new calculated test 
3. Indicate the name of the test, type of sample and/or specie, units and if we want to Print the partial techniques that conform the calculated test. Define the formula using the active techniques and the alphanumeric characters shown on the screen. Indicate reference ranges if desired (See image “Create new calculated test”).
4. Save changes 





Create new calculated test

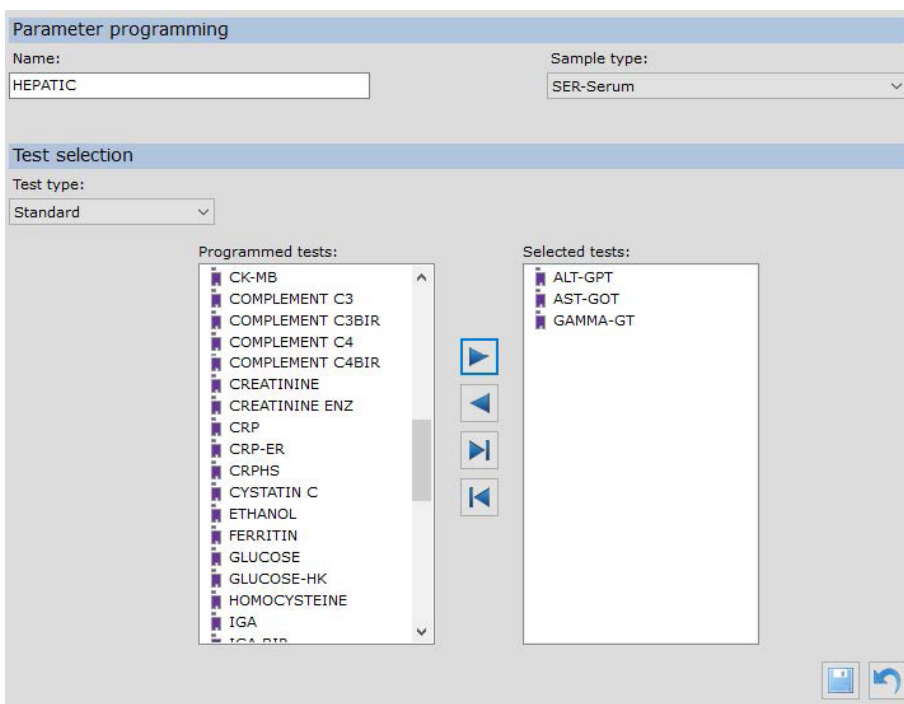
4. Create Profiles

4.1. Goal

At veterinary diagnostic is very common work following established profiles: hepatic profile, pre-anesthetic profile, renal profile, etc. We will create profiles with the aim of improve and to make easier the manual programming of samples.

4.2. Follow-up Steps

1. At the Main Menu, go to Programming > Profiles.
2. Create a new profile 
3. Select the name, type of sample/specie and select the techniques that conform this profile (see image "Create new profile").
4. Save changes 








Create new profile

5. Set Patient Records

5.1. Goal

The aim is to have an accurate register of the patient's analyses on the historical record of results through the generation of patient worksheets. These worksheets can be fulfilled when a new sample analysis is requested, or if we previously have the information regarding the usual patient's or from the historical record of our patients.

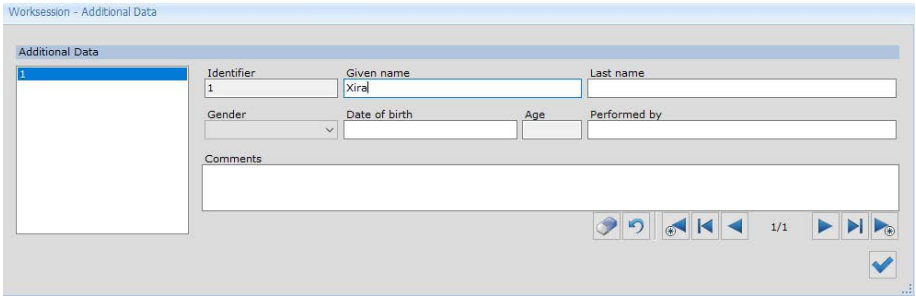
5.2. Follow-up Steps

1. There are different ways to introduce additional information regarding the samples: From Sample  request clicking on icon  , from Main Menu > Programming > Patient Data > New  or from Historical > Patient result > 
2. Introduce patient's information desired (See image "Introduce additional data"). Special attention should be paid to the section Comments, where we can add to our reports information as breed of the patient, any previous pathology, etc. Accept changes 

Note: if you are not working with barcode, it is recommended to identify the patient with its name for example, or assign a patient's number, as the medical record number.

Note: by default, appear different fields as Surname or Sex (Man/Woman) impossible to modify or edit. However, it is possible do not indicate the sex or even use the field Surname to introduce owners details.

3. When a new sample of this patient is introduced afterwards at Sample request, we should always indicate the established ID or the patient's name in order to link the results with the information recorded on our data base.



Introduce additional data



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