

014: Cryostorage database “Freezer”

The in-house developed cryostorage database (*freezer.fmp12*) relies on FileMaker Pro, a relational database application from Claris International. FileMaker Pro integrates a database engine, a graphical user interface and various security measures. The *freezer* database is hosted on a UNIGE mainframe and can be accessed through desktops (Mac and PCs), iOS, Android, using the FileMaker Pro application or Internet navigators.

The access to the database depends on a LAN or VPN connection and is controlled by a LOGIN and PASSWORD. This document describes some features of the database and how a specific sample may be retrieved.

The screenshot displays the 'Freezer' database interface. On the left, there is a search bar with '1 / 1' and a filter for 'No étude' set to '133'. Below this, a form shows collection details: Centre 'Lausanne', Date '21.09.05', Mois '9', and Année '2005'. A summary table lists sample counts for 'Urine', 'Sérum', 'Plasma séminal', 'Sperme', and 'Sang', with a total of 5 tubes. The main area shows a grid of samples for 'No boîte' 57. The 'Urine' tab is active, displaying a table with columns A-G and rows 1-7. Sample 133 is highlighted in row 1, column E. A detailed view on the right shows the sample's location: Freezer 'F5', Etagère '1', Rack-rangée '1', Label '57 UR', and Position 'E1'. The overall location is 'F5.1.1.57 UR.E1'.

	A	B	C	D	E	F	G
1	729	729	729	729	133	133	
2	343	343	343	392	392	392	
3	399	399	399	411	411	277	
4	277	277	273	273	558	558	
5	564	564	571	573	573	581	
6	581	283	283	283	629	629	
7							

Figure 1: The Samples layout

The Samples layout is shown in Figure 1. In the specific example, one can see that sample 133 was collected in Lausanne on 21.09.05. Two urine samples were stored in box 57, 1 serum sample in box 92, 1 seminal plasma in box 64 and 1 blood pellet in box 83. On the right side an expanded view of the urine box shows that the two urine samples are stored in E1 and F1. The box 57 is located in freezer F5, shelf 1, rack 1, with the box label 57 UR.

Document available in EN

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