

## RFID and healthcare: the revolutionary friendship

### **Voice-over 1:**

Improved safety in therapies and treatment of data is also the principal goal here, at the Institute Paoli Calmettes in Marseille. Lise-Marie Daufresne, RFID Project Coordinator in the IPC's Centre of Cellular Therapy and Genetics, leads us to the heart of the institution: its tumour bank, one of Europe's biggest. Around 120,000 specimens are stored here to better understand the development of cancers. New specimens are put into small plastic test tubes, then labelled and identified with bar codes before being stored.

Since 2000 the centre has been testing small RFID tags to improve efficiency of data processing. But researchers are facing a crucial problem: tumour samples are stored at between minus 80 degrees Celsius and up to minus 180 degrees Celsius, in special liquid nitrogen tanks. And RFID tags don't work at such low temperatures.

### **Voice-over 1:**

Paoli-Calmettes researchers are working with RFID developers to solve these and other technological problems. In their view, RFID labelling represents a number of undoubtable advantages for the daily managing of their tumour bank.

### **Voice-over 3:**

There are many potential benefits and we are continuing to try different theories...to improve the quantity of our information.

### **Voice-over 2:**

...Identify the patient, identify the establishment and identify the sample.

### **Voice-over 3:**

...With the chip we can hold more information than on a bar code...

### **Voice-over 2:**

...which, once coded is fixed. With RFID, it can be constantly updated with the help of the chip.

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