



**SMART MEDICAL TECHNOLOGIES – THE SMARTFUGE PORTABLE CENTRIFUGE SYSTEM**

Smart Medical Technologies' Smartfuge Portable Centrifuge System integrates a user friendly interface with custom built, lightweight hardware to meet the demands of medical professionals on the go. Particularly useful for first responder/emergency response personnel, the fully portable package incorporates a reliability and ease of use that improves testing efficiency and processing times, and reduces the possibilities of unwanted errors.



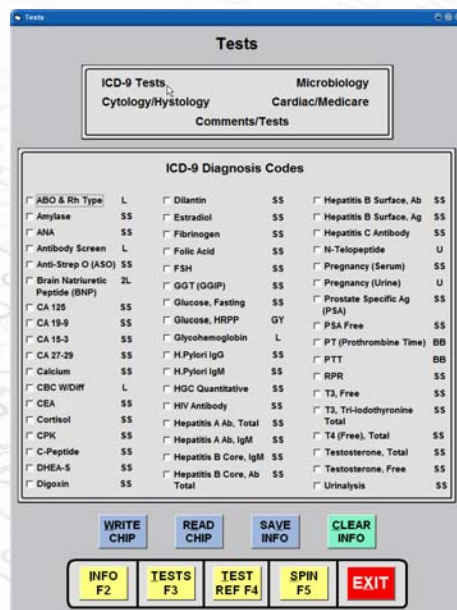
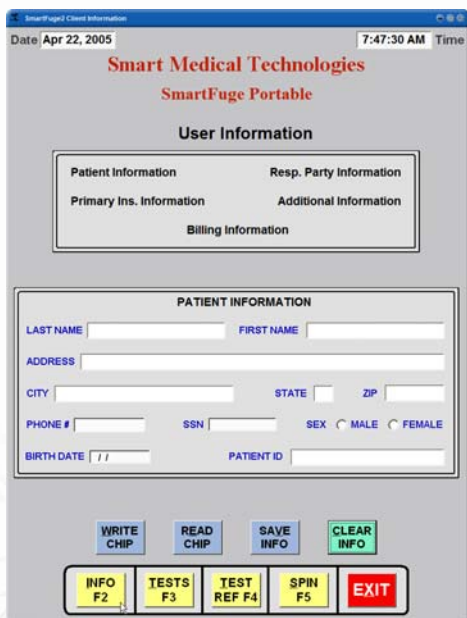
The system package consists of the Smartfuge Portable Centrifuge Software and unique hardware features, including:

- 1) a uniquely engineered, low weight, low profile centrifuge motor capable of reaching typical laboratory speed settings
- 2) a fully functional tablet PC that fully manages the software and provides additional computing capacity and
- 3) a dedicated space within the unit for sample testing modules, to allow the technician in the field to execute tests for a variety of conditions and administer treatment on the spot.

The Smartfuge Portable Software consists of four primary screens with additional forms, as shown below:

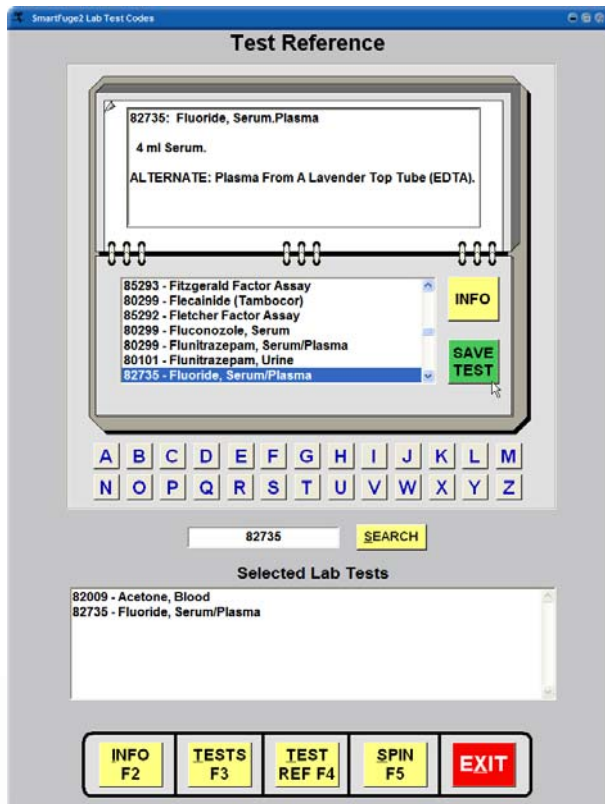
- 1. "User Information" Screen
  - a) Patient Information
  - b) Primary Insurance Info
  - c) Responsible Party Info
  - d) Billing Info
  - e) Additional Info
- 2. "Type Of Tests" Selection Screen
  - a) ICD-9 Tests
  - b) Microbiology Tests
  - c) Cytology / Histology Tests
  - d) Cardiac / Medicare Information
  - e) Additional Comments / Tests
- 3. "Test Reference" Dictionary
- 4. "Run Centrifuge" Screen

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The Smartfuge Portable User Information interface contains five unique user information windows capable of inputting relevant client data. The doctor, nurse, or technician may input as little or as much client information to the RFID chip as applicable. The information saved to the RFID chip may also be saved to a built-in Microsoft Access database, for future use.

At the primary tests selection window, the technician may select from among the most commonly used ICD-9 tests.



The “Test Reference Dictionary” window consists of an electronic dictionary of more than one thousand commonly performed lab tests. A unique search feature helps the technician easily find desired test information, and the user interface allows the technician to easily build a test group from the comprehensive catalog.

The “Setup & Execute Tests” window permits the technician to specify different centrifuge spin cycles depending on testing conditions. The centrifuge itself is controlled by a high speed programmable logic controller (PLC) and a state of the art low-profile centrifuge motor. Several safety interlocks are built into the system, including a magnetic latch that physically locks the transparent centrifuge cover during spin, thereby preventing any tampering of the device by its surroundings.

