The RFID solution is to embed a tag into the blood bag label itself. The paramedic who transfuses the blood can scan the bag before transferring. He/she typically enters the patient ID number, or in a better system, the patient also has a wrist band RFID tag which identifies him uniquely.

In case the wrong blood bag is scanned, the reader can throw up a warning like this **:**

WA1WUG!! BLOOD MISMATCH!!
R IMMEDIATE ATTENTION IS REQUIREJY.

The blood bag is for Patient:
JOHN SMITH.
Patient ID 3S1002453.

The patient on the bed is:
JOHN SMITH.
Patient ID 3S1002453.
Patient ID JS1003453.

This will save the life of Mr. John Smith (who will no doubt, be eternally grateful to the technology, if only he knew what was about to happen!)