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Singapore Patent Application No.: 200705750-8
Title of Invention: LABORATORY SPECIMEN COLLECTION MANAGEMENT SYSTEM
Applicant: CICADA CUBE PTE LTD (SG)

Claims

1. A laboratory specimen collection management system comprising a specimen test ordering system having functional features for entering specimen test orders; a specimen collection station having a bar-code scanner or data input device for capturing the identity of the patient providing specimens; a specimen processing system coupled to a database; a specimen receipt system; and a laboratory information system.

2. A system according to claim 1, wherein specimen test orders are entered into the specimen test ordering system; information in a specimen test order includes patient unique identification code, the specimen test ordered, the unique identity code of the person ordering the specimen test, and the location where the specimen test is ordered.

3. A system according to claim 1, wherein the specimen processing system in response to the receipt of specimen test orders from the specimen test ordering system stores the patient unique identification code, the specimen test ordered, the unique identity code of the person ordering the specimen test, and the location where the specimen test is ordered into the database.

4. A system according to claim 1, wherein the specimen collection station identifies and verifies the patient via the bar-code scanner or data input device.

5. A system according to claim 1, wherein the specimen collection station retrieves from the specimen processing system the patient unique identification code, the specimen test ordered, the unique identity code of the person ordering the specimen test, and the location where the specimen test is ordered, the specimen test collection system displays graphically on the user interface the type of tube, number of tubes, color code of the tube and the amount of specimen to take for the identified patient, the specimen test collection station prints *in situ* for each tube displayed a bar-code label or any form of digitally-readable label containing the patient identification code, patient name, the unique laboratory analyzer test accession number for a specimen, date and time of print, location, test codes and color of tube.

6. A system according to claim 5; wherein the specimen collection station retrieves from the specimen processing system the specimen test sample id and the unique laboratory analyzer test accession number for a specimen.

7. A system according to claim 6, the specimen processing system is additionally coupled to a laboratory information system; the processing unit retrieves from the laboratory information system the specimen test sample id and the unique laboratory analyzer test accession number for a specimen when the laboratory information system is provided with the patient unique identification code.

8. A system according to claim 1, wherein the specimen test ordering system also sends to the specimen processing system patient unique identification code, the specimen test ordered, the unique identity code of the person ordering the specimen test, and the location where the specimen test is ordered to indicate an order has been made.

9. A system according to claim 1, wherein the specimen processing system is additionally coupled to a specimen receipt unit that verifies the label attached to a specimen tube is indeed the correct label.

10. A system according to any of the above claims, wherein a number of specimen collection stations are provided at the point of care.

11. A system according to claim 10, wherein a point of care is a location within and without a hospital or clinic.

12. A system according to any of the above claims, wherein a data input device is also a mobile data input device.