



This document gives an overview of MeddLABS – the integrated laboratory module.

MeddLABS_v1.2



|MeddLABS:

Introduction

Laboratory investigations are a major source of revenue and cost of medical care and a single test can put all healthcare on hold until a result is back. Also the sheer number of tests pushes any system to the limit – with full integration with the hospital management and accounts systems (MeddLedger). Simple, functional and invisible to use (you don't want the software to be noticed at all, you just want it to work).

7 Medsystem Labs

7.1 Laboratory set up

- 7.1.01 Library of investigations
- 7.1.02 Normal values
- 7.1.03 Check up packages
- 7.1.04 Fees for investigations
- 7.1.05 Add Institute contracts

7.2 Laboratory contracts

- 7.2.01 Add contract
- 7.2.02 Update contract
- 7.2.03 Delete contract
- 7.2.04 View contract

7.3 Investigation orders

- 7.3.01 Select investigation
- 7.3.02 Add request
- 7.3.03 Update request
- 7.3.04 Delete request
- 7.3.05 View request status

7.4 Laboratory processing

- 7.4.01 View order
- 7.4.02 View order payment status
- 7.4.03 Identify patient
- 7.4.04 Take specimen
- 7.4.05 Label specimen
- 7.4.06 Store specimen
- 7.4.07 Courier specimen, track specimen, receive specimen, store specimen
- 7.4.08 Dispose of specimen

7.5 Laboratory reporting

- 7.5.01 Find order
- 7.5.02 View item requests
- 7.5.03 Add item values
- 7.5.04 Update item values
- 7.5.05 Commit item values
- 7.5.06 Print out results

7.6 Investigation result viewing and action

- 7.6.01 View result availability
- 7.6.02 Identify patient
- 7.6.03 View results
- 7.6.04 View result and how it relates to all other diagnoses, investigations
- 7.6.05 Track abnormal result
- 7.6.06 Make diagnosis based on result
- 7.6.07 Create outcome based on result
- 7.6.08 Request further investigations based on result
- 7.6.09 Printed reports



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7a Medsystem blood bank

The blood bank is a major part of the laboratory functions and also requires full patient management.

7a.1 Blood bank

- 7a.1.01 Register donor
- 7a.1.03 Log donation of blood product
- 7a.1.04 Screen donor
- 7a.1.05 Accept donation
- 7a.1.06 Take blood product donation
- 7a.1.07 Label donation pack
- 7a.1.08 Store donation pack
- 7a.1.09 View blood bank stores by ABO, rhesus and blood product
- 7a.1.10 Find donor
- 7a.1.11 Contact donor
- 7a.1.12 Schedule donor for donation

7a.2 Group & save, cross matching request

- 7a.2.01 Add request
- 7a.2.02 Update request
- 7a.2.03 View request
- 7a.2.04 Delete request
- 7a.2.05 Transfusion history

7a.3 Processing blood bank request

- 7a.3.01 Receive blood sample & request
- 7a.3.02 Register specimen
- 7a.3.03 Add ABO blood group
- 7a.3.04 Check ABO blood group
- 7a.3.05 Commit ABO blood group
- 7a.3.06 Add rhesus group
- 7a.3.07 Check rhesus group
- 7a.3.08 Commit rhesus group
- 7a.3.09 Find compatible pack(s) for request
- 7a.3.10 Allocate pack(s) for patient
- 7a.3.11 Store allocated packs for collection

7a.4 Transfusion unit collection

- 7a.4.01 Prescribe transfusion – units, duration, time
- 7a.4.02 Print unit collection request
- 7a.4.03 Check collection request
- 7a.4.04 Cross check transfusion unit
- 7a.4.05 Collect transfusion unit

7a.5 Transfusion

- 7a.5.01 ID check patient
- 7a.5.02 Cross check transfusion unit
- 7a.5.03 Line priming check
- 7a.5.04 Commence transfusion
- 7a.5.05 Transfusion observations
- 7a.5.06 Transfusion progress
- 7a.5.07 Transfusion completion



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Conclusions

The laboratory management system is fully integrated with accounts and the hospital management system, placing the results straight into the patients online medical record, Meddrecord



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