





SOP: KenyaEMR 3.x Laboratory Module User guide

Tasks:	To guide users on how to navigate Laboratory module in KenyaEMR 3.x						
Objective:	Effectively manage lab workflow within a facility. Capture tests ordered, test approval, results capture and transmission to clinician						
Who:	Laboratory Department, Lab technicians, Lab managers etc.						
Required Materials:	Functional KenyaEMR 3.x						
Version:	KenyaEMR Version						
Last Updated:	vaEMR Version ch 2024						
SUMMARY: The Laboratory module module allows for seam approved results are po	supports all Lab related functions including Order review and approval, including referred samples. Once the samples have been tested, the nless entry of results. The results posted on this module also undergo internal lab quality control including the approval of results. Validly osted onto the patient clinical chart for clinical reviews and action.						

Step	Action	Screen shots
Introduction	This document provides a detailed workflow of the full laboratory module in the KenyaEMR system. The guide is accompanied by relevant screenshot images for illustration purposes.	
Learning Objectives	 By the end of this session, you will be able to: Successfully log into KenyaEMR Access Laboratory dashboards View and Process Laboratory Orders Record laboratory test results Post results to clinician 	







			Caick "Back" to go back if you want to enter a different username ← Back	
	Login to KenyaEMR. Enter the application server URL system.	🏟 KenyaEMR	🏟 KenyaEMR	NB: With valid username and password, clicking Log in will
Log into KenyaEMR	"[ServerIpAddress:8080/openmrs]" and click on the load button or Enter key from the keyboard. On successful loading, you should be navigated to the system login page.	Username Admin Continue →	Password ⊚ Log in →	take you to the KenyaEMR home page. Otherwise, you will receive a prompt for wrong username or password. If you don't have valid login credentials, click "Contact the
	Authenticate entry by providing username and password on the fields and click " <i>Login</i> " Upon successful login, you shall be navigated to KenyaEMR Home Page.	Need help? Contact the site administrator	Enter valid password here and clike Log In Need help? Contact the site administrator	miro
	Successful login will direct you to the KenyaEMR Home Page where the landing page is displayed based on the user role.			

KenyaEMR Laboratory landing pageAfter a successful login, the user will be redirected to KenyaEMR Lab Dashboard. This is composed of different laboratory summaries.	Laboratory	Health Centre · 📋 Today, 16:09			
	After a successful login, the user will be redirected to KenyaEMR Lab Dashboard. This is composed of different laboratory summaries.	Tests ordered View → Orders 105	Worklist View → In progress 13	Referred tests View → Transferred O	Results View → Completed O
		Tests ordered Worklist			







	i. Test ordersThis refers to number of all lab orders that have	Realith Centre ·	• 🛱 Today, 16:33
KenyaEMR Laboratory Summary	 iii. Worklist This represents all picked lab requests that are in progress of processing iii. Referred Tests This represents to all lab orders that are sent out for processing in other facilities iv. Results This refers to all lab orders that have been completely processed and completed and dispatched to the respective service points 	Tests ordered View → Worklist View → Referred tests View → Results Orders 105 13 0 0 0 0	View → View → incy Actions ITINE : ITINE : ITINE : ITINE :
Locate the test ordered	The user is able see all tests ordered as a line list or Search for a specific request by Name or the clients ID	View View Results View Results Compared View Results Compared Compared	Ith Centre - □ Today, 23:07 View → View → Q. Search this list Urgency Actions ROUTINE I ROUTINE I ROUTINE I ROUTINE I







		Rgarua Health Centre - 🖻 Today, 16:37
		Tests ordered View → Worklist View → Referred tests View → Results View → Orders In progress Transferred Completed O O 103 13 0 0 O O
Picking a Lab Request	The user chooses the patient of interest from the line list in the T <i>ests ordered</i> tab and proceeds to the <i>Action</i> column to click on the dots to pick a lab request or Reject	Tests ordered Worklist
	order	19997-88-00 C
		Date Order Number Patient Test Action Status Orderer Urgency Actions
		Today, 14:19 ORD-32956 Test Test Test BRUCELLA TEST NEW admin - nicholas ni
		20-Mar-2024 ORD-32948 John Doe Embu HIV VIRAL LOAD NEW admin - nicholas nic
		,
Selecting Specimen type	After picking the Lab Request the User types in the specimen ID and selects the specimen type from the list provided. The specimen type should correspond to the lab request ordered.	Worklist Pick Lab Request Specimen ID Specimen Type Or Referred Or Or Referred Or ORD-32902 Likoni Test Test Bone Bone Bone ORD-32900 Test Test Likoni Saliva Amniotic Fluid ORD-32899 KVP BABBY KAHINDI







Saving Pick Lab Request	The user proceeds to click on the pick lab request tab after filling in specimen ID and selecting the specimen type.	Pick Lab Request × Specimen ID Specimen Type Whole blood Cancel Pick Lab Request
Picking Lab Order	Upon successful pick up of a lab order, the system should flag the user that they have successfully picked the order.	Laboratory Picked an order You have successfully picked an Order picked an Order Tests ordered View → 102 Worklist View → 14 Referred tests View → Transferred 0 Results View → 0
Worklist Flow	Upon successful pick up of a lab order the patient's name transitions from test ordered tab to worklist tab. The user proceeds to the action column and clicks on the Microscope icon to record test results. This opens a dialogue box where the user enters the results	Pagerus Health Centre - C Today, 16:50 Texts ordered Year + Eurograms 102 Worklist Year + Eurograms 14 Results Year + Compliants 0 Texts ordered Year + Eurograms 14 Textered 0 Textered 0 Textered 0 Textered 0 Textered 0 Textered 0 Texts ordered Worklist Textered 0 Textered 0







		Lab results form	×
Saving Lab Results		Test Test Test Show details Female · 17 yrs · 24 - Apr - 2006 OpenMRS ID	
	Upon successful entering of the lab results in the dialogue box the user should click on Save test results tab to Save the entered results.	BRUCELLA TEST	
		Choose an Option Choose an Option REACTIVE	
		Cancel Save test results	
			miro
		Laboratory Update lab results You have successfully updated test results	× 1:54
Saving Lab Results Pop-up	On Successful saving of the test results, the user gets a pop-up message that the results were updated and successfully and the results have been dispatched to the clinicians and are accessible in the patient summary	Tests ordered View → Worklist View → Referred tests View → Results Orders In progress Transferred Completed O 102 13 0 0	View →
		Tests ordered Worklist	
		YYYY, MA-D0	miro







		Tests	ordered Wo	orklist							
Rejecting Lab order	During processing of the lab orders the user is able to reject a test order by clicking on the delete icon on the							YYYY-MM-DD			2
	action column.	Date	Order Number	Patient	Accession Number	Test	Status	Orderer	Urgency	Actions	
		15- Mar- 2024	ORD- 32943	DHIS admin dhis		COMPLETE BLOOD COUNT	IN_P ROG RESS	Click here admin - nicholas nicholas nicholas	e to delete a request ROUTINE	A	
		06- Mar- 2024	ORD- 32929	NCD Test	^	COMPLETE BLOOD COUNT	IN_P ROG RESS	admin - nicholas nicholas	ROUTINE	S	iro 🕶
Rejecting Order	The system opens up a dialogue box where the user is able to type in comments on why they are rejecting an order and then clicks on the Reject Order tab	Rej Ent	ect Order IN_PROGRES or Comments use enter comme	5 S • ORD-32950 nt			ler			× 0/500	







Reject Order Message The system should pop-up a message on successful order rejection to show that the order was rejected.	The system should non up a massage on successful order.	Test	s ordered Wor	rklist						Reject O You have rejected OrderNut YYYY-HM-DD	rder successfully an Order with mber ORD-32!	×	Q
	Date	a Orde Num	ler nber	Patient	Accession Number	Test	Status	Orderer	ι	Jrgency /	ctions		
	21-1	Mar-2024 ORD	D-32950	Kariobangi North Client		COMPLETE BLOOD COUNT	IN_PROGRESS	admin - nicholas nich	nolas nicholas 🛛 R	ROUTINE	<u>4</u> 8	1	
		15-1	Mar-2024 ORD	D-32943	DHIS admin dhis		COMPLETE BLOOD COUNT		admin - nicholas nich	nolas nicholas 🛛 R	ROUTINE	<u>s</u> e	I
		06-1	Mar-2024 ORD	D-32929	NCD Test		COMPLETE BLOOD COUNT	IN_PROGRESS	admin - nicholas nich	nolas nicholas 🛛 R	OUTINE	<u>s</u> mire	1

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