

Easy Diagnostic Center with AI

User Manual for operators

Module **easy_diagnostic_center** · version 19.0.1.2.0

Odoo 19.0 Community

Front Desk · Laboratory · Billing · Staff · Payroll

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How to read this manual

This manual is written for a person who has never used Odoo before and who has just been handed a diagnostic centre that runs on it. It does two things:

1. **Part 1 (Chapters 1-3)** explains the one idea the whole lab hangs off, then walks a manager through a one-time setup.
2. **Part 2 (Chapters 4-10)** holds the day-to-day chapters, **one per job role**. Find your job title in the table below and read that chapter. You may safely ignore the chapters for other people's jobs. Chapter 10 covers the optional AI features and concerns everybody who uses them.

Every screen in this manual has a picture. The pictures were taken on a real Odoo 19 database with this module installed. Your own screen will show your own names and numbers, but the buttons and fields sit in exactly the same places.

Your job	Your role name in Odoo	Read chapter
Centre owner, manager, IT administrator	Diagnostic Manager	3 and all of them
Reception / registration clerk	Front Desk	4
Cashier / billing counter	Cashier	4 and 6
Phlebotomist / sample collector	Phlebotomist	5
Lab technician	Lab Technician	5
Pathologist	Pathologist	5
HR / staff in-charge	Staff Officer	7
Payroll officer	Payroll Officer	8
Anyone who needs numbers	any role	9
Anyone using the AI features	any role	10

A note on words used in this manual

- **Click** means press the left mouse button once.
- **A field** is a box you type in or choose from.
- **A list** is a table of records (rows). **A form** is one single record opened on its own page. **A wizard** is a small pop-up that asks a few questions and then does a job.
- **Save** — Odoo 19 shows a small **cloud icon** in the top-left of a form when you have unsaved changes. Click it (or press `Alt + S`) to save. The **counter-clockwise arrow** next to it throws your changes away.
- Text shown `like this` is something you type or a technical name.
- The **statusbar** is the ribbon of stages at the top-right of a form. It shows where the record is, not a set of buttons you click to jump around.

Assumption stated up front. This manual describes the module exactly as it is built in version 19.0.1.5.0 on Odoo 19 Community. Instrument / LIS interfacing (HL7 / ASTM), radiology image storage (PACS / DICOM), insurance claim adjudication and home-collection route planning are not in this module.

Part 1 — Understand and set up

Chapter 1. The one idea you must understand: the diagnostic order

Everything in this module hangs off one record: the **diagnostic order**.

An order is one visit to the lab. The patient arrives, an order is opened, tests are added, the bill is taken, samples are drawn, results are entered, a pathologist signs, and the report is handed over. When the patient goes home with a signed report, the order is delivered.

The **patient** record lives forever. One patient, one patient ID, many orders over the years.

There is deliberately **no "Add Tests" button** on the order form. Tests are added on the **Tests** tab of the order (one line per test) or, after Quick Registration, from the **Test Picker** tiles. That keeps the order form to the buttons that actually move the visit forward:

Bill & Pay, Confirm without Payment (managers only), **Deliver, Cancel**.

The seven stages of an order

An order moves through seven states. The state is shown as a ribbon at the top-right of the order form.

State	What it means	Who usually moves it here
Draft	Being typed. Tests can still be added or removed.	Front Desk
Confirmed	Paid (or confirmed without payment). Samples are waiting.	Cashier / Manager
Collected	At least one container has been drawn.	Phlebotomist
In Progress	The bench has received the work and is entering results.	Technician
To Validate	Results are in. Waiting for a pathologist.	Technician (Submit)
Validated	Every test is signed. Ready to hand over.	Pathologist
Delivered	The report has been printed, emailed or sent as a portal link.	Front Desk
Cancelled	Called off. Tests that already have results must be rejected first.	Front Desk / Manager

The money states

Separately from the stage above, every order carries a **payment state**, which the system computes for you:

Payment state	Meaning
Not Paid	There are charges and nothing has been received.
Partially Paid	Some money received, a balance is still due.
Paid	Balance due is zero.

A manager decides in **Settings** whether a report with a due balance may be released, and whether an order may be confirmed without taking money.

Chapter 2. The roles, and how to log in

Access is given by ticking a role on a user. A person may hold more than one role.

Role	Can do	Cannot do
Front Desk	Register patients, open orders, add tests, hand over validated reports	Enter results, take payments, see payroll
Cashier	Everything Front Desk can, plus invoices, payments and their own cash session	Enter or validate results
Phlebotomist	Collect and reject samples, print barcode labels	Enter results, take money
Lab Technician	Receive samples, enter results, submit them	Validate their own work, take money
Pathologist	Validate, reject and amend results; sign the report	Take money
Staff Officer	Staff records, licences, attendance	Payroll amounts, patient money
Payroll Officer	Contracts, salary rules, payslips generated from attendance	Clinical records
Diagnostic Manager	Everything above, plus Configuration, discount override, unpaid-report release and all reports	—

Step 1 — Log in

Open the address your administrator gave you (for example <http://your-server:8019>). Type the e-mail (login) and password, then click **Log in**.

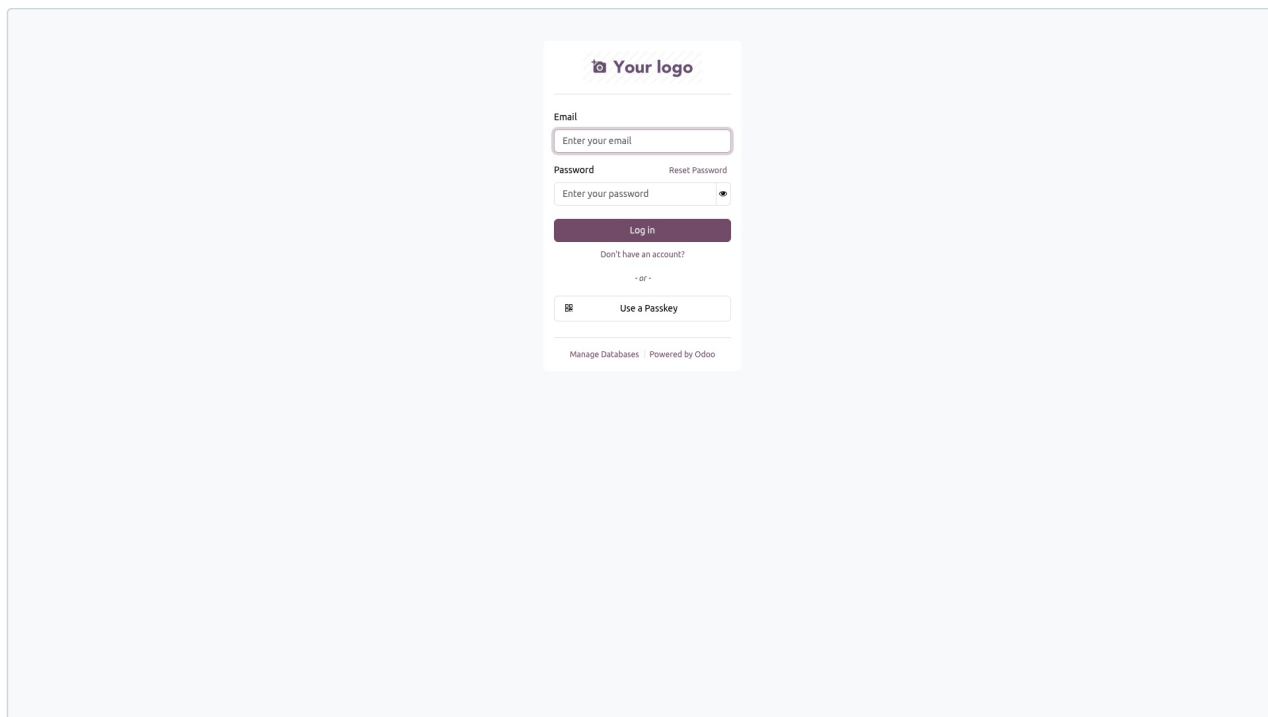


Figure 2.1 — The login screen. Type the e-mail (login) and the password your administrator gave you, then click

Log in.

Step 2 — Open Diagnostics

After logging in you see the apps. Click **Diagnostics**. The grid icon at the very top-left takes you back here at any time.

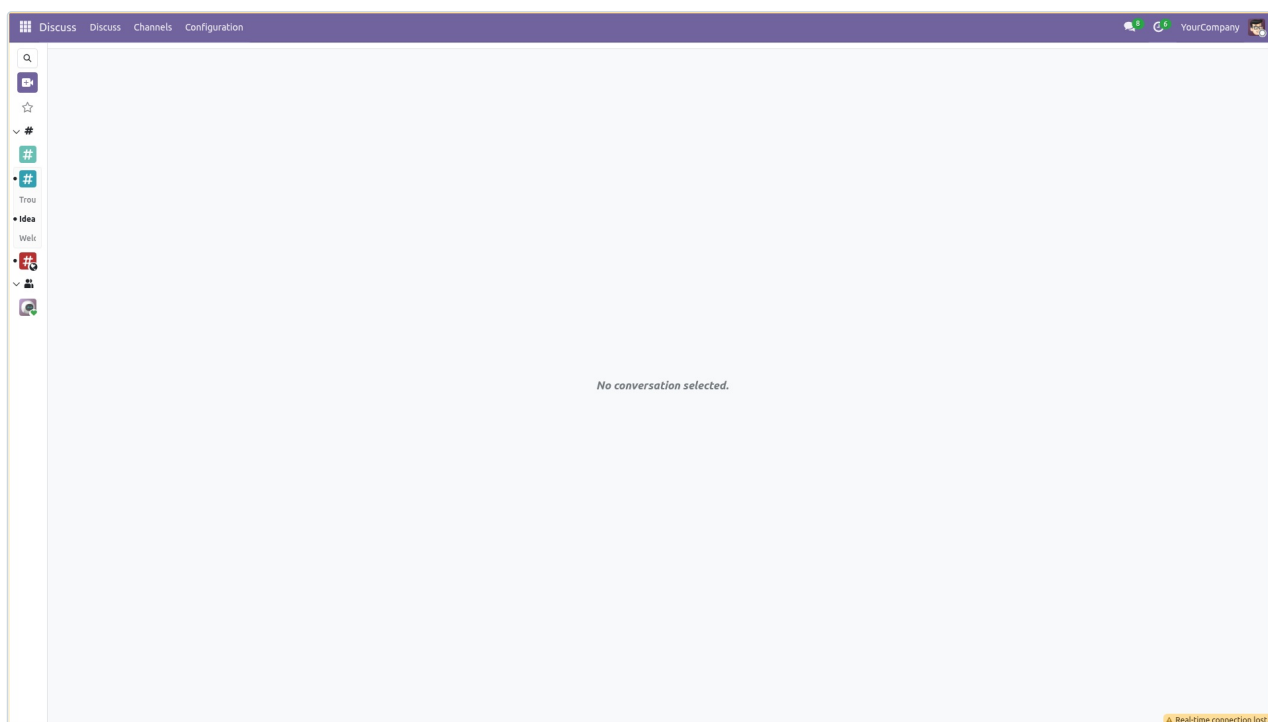


Figure 2.2 — After logging in you see the apps. Click

Diagnostics.

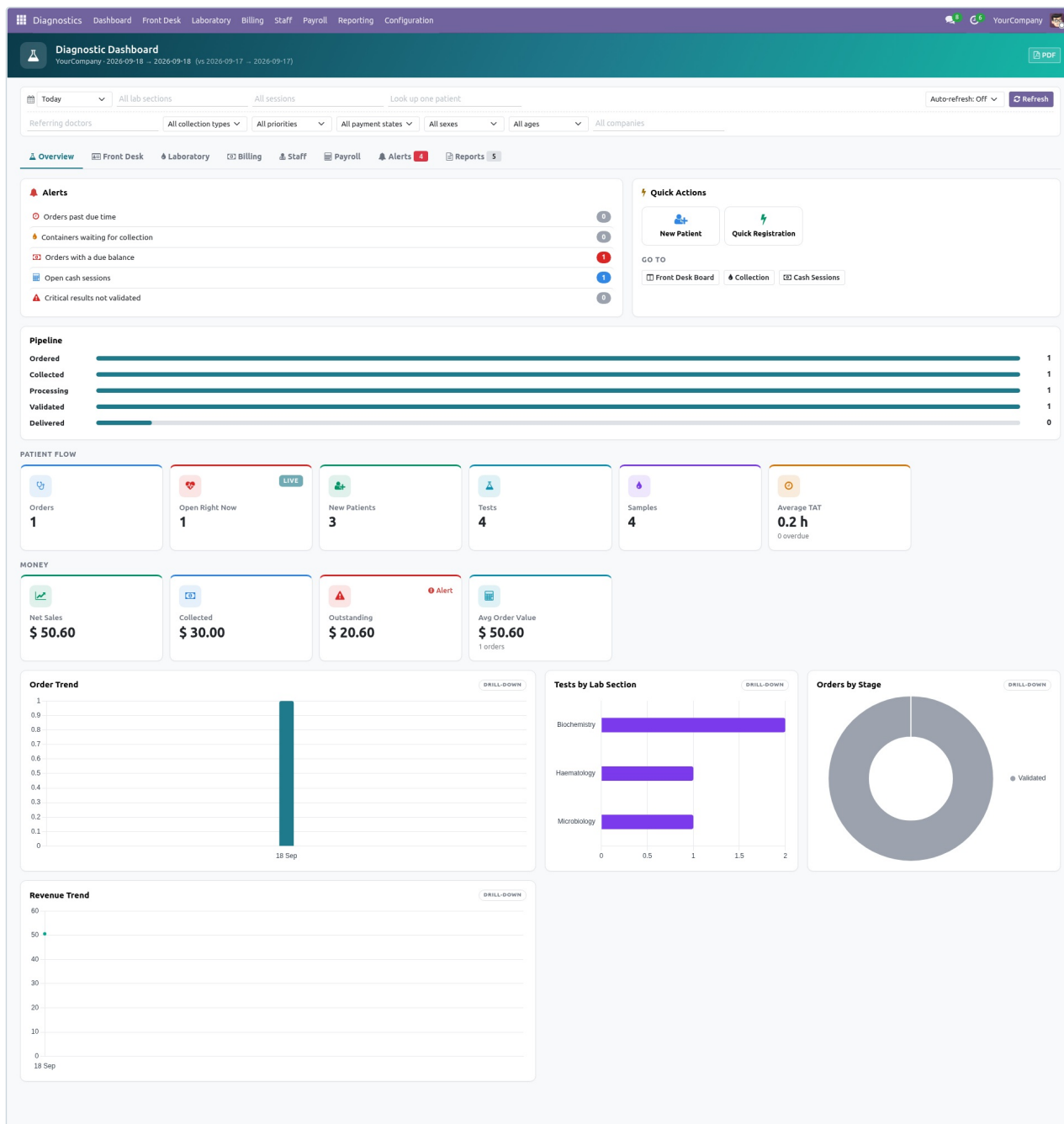


Figure 2.3 — The Diagnostics app. The left menu is what your role is allowed to see. A front-desk user will not see Payroll or Configuration.

Chapter 3. One-time setup (Diagnostic Manager)

Do this once, before the first walk-in. Later you only come back here when you add a test, change a price or hire someone.

Menu: **Diagnostics** ► **Configuration**.

Step 1 — Settings

Menu: **Diagnostics** ► **Configuration** ► **Settings**.

Diagnostics
Dashboard
Front Desk
Laboratory
Billing
Staff
Payroll
Reporting
Configuration

YourCompany

Save
Discard
Settings

General Settings
Diagnostic Center
Invoicing
Employees
Attendances

Billing

Discount Limit

Above this percentage the Bill & Pay wizard asks for a supervisor PIN.

10.00

Supervisor PIN

Checked server side, not only in the screen.

Allow Partial Payment

Off, an order must be paid in full before its samples are collected.

☒

Discount Product

The service product an order-level discount is billed on.

Printing and Delivery

Auto-print Receipt

☒

Auto-print Sample Labels

☒

Email the Report on Validation

☐

Release Reports with a Due Balance

Off, only a manager can hand over an unpaid report.

☐

Portal Link Lifetime (days)

Access tokens older than this are rotated nightly.

90

Uncollected Sample Reminder (minutes)

45

Lab Report Layout

Report Header

Accreditation numbers, addresses.

Report Footer

Disclaimers, contact details.

Default Signature

Used when the validating pathologist has none of their own.

Attendance & Payroll

Expected Check-in

Local hour staff are expected to start. Late minutes are counted from this plus the grace window.

08:00

Late Grace (minutes)

Check-ins within this window of the expected start are not marked late.

15

Standard Hours / Day

Used to compute overtime when the employee has no running contract.

8.00

Post Payslip Journal Entries

When on, confirming a payslip posts a journal entry from the salary rule accounts.

☐

Payroll Journal

Used when a salary structure has no journal of its own.

Figure 3.1 — Diagnostic Center settings. Scroll the page; the blocks are Billing, Printing and Delivery, Lab Report Layout, Attendance & Payroll.

Field	What it does
Discount Limit	Above this percentage the Bill & Pay wizard asks for a supervisor PIN.
Supervisor PIN	Checked on the server, not only on the screen. Keep it with a manager.
Allow Partial Payment	Off: an order must be paid in full before samples are collected.
Discount Product	The service product an order-level discount is billed on.
Auto-print Receipt	After Bill & Pay, print the money receipt automatically.
Auto-print Sample Labels	After Bill & Pay, print barcode labels automatically.
Email the Report on Validation	Send the signed report when the pathologist validates.
Release Reports with a Due Balance	Off: only a manager can hand over an unpaid report.
Portal Link Lifetime (days)	Access tokens older than this are rotated nightly.
Uncollected Sample Reminder (minutes)	How long a container may sit in the collection queue before an alert.
Report Header / Report Footer	Accreditation numbers, addresses, disclaimers printed on the lab report.
Default Signature	Used when the validating pathologist has none of their own.
Expected Check-in	Local hour staff are expected to start. Late minutes count from this plus grace.
Late Grace (minutes)	Check-ins inside this window are not marked late.
Standard Hours / Day	Used for overtime when the employee has no running contract.
Post Payslip Journal Entries	When on, confirming a payslip posts a journal entry from the salary rule accounts.
Payroll Journal	Used when a salary structure has no journal of its own.

Click **Save**.

Step 2 — Lab sections

Menu: **Diagnostics ► Configuration ► Lab Sections.**

A section is a bench: Haematology, Biochemistry, Microbiology, and so on. The module already ships with the usual ones.

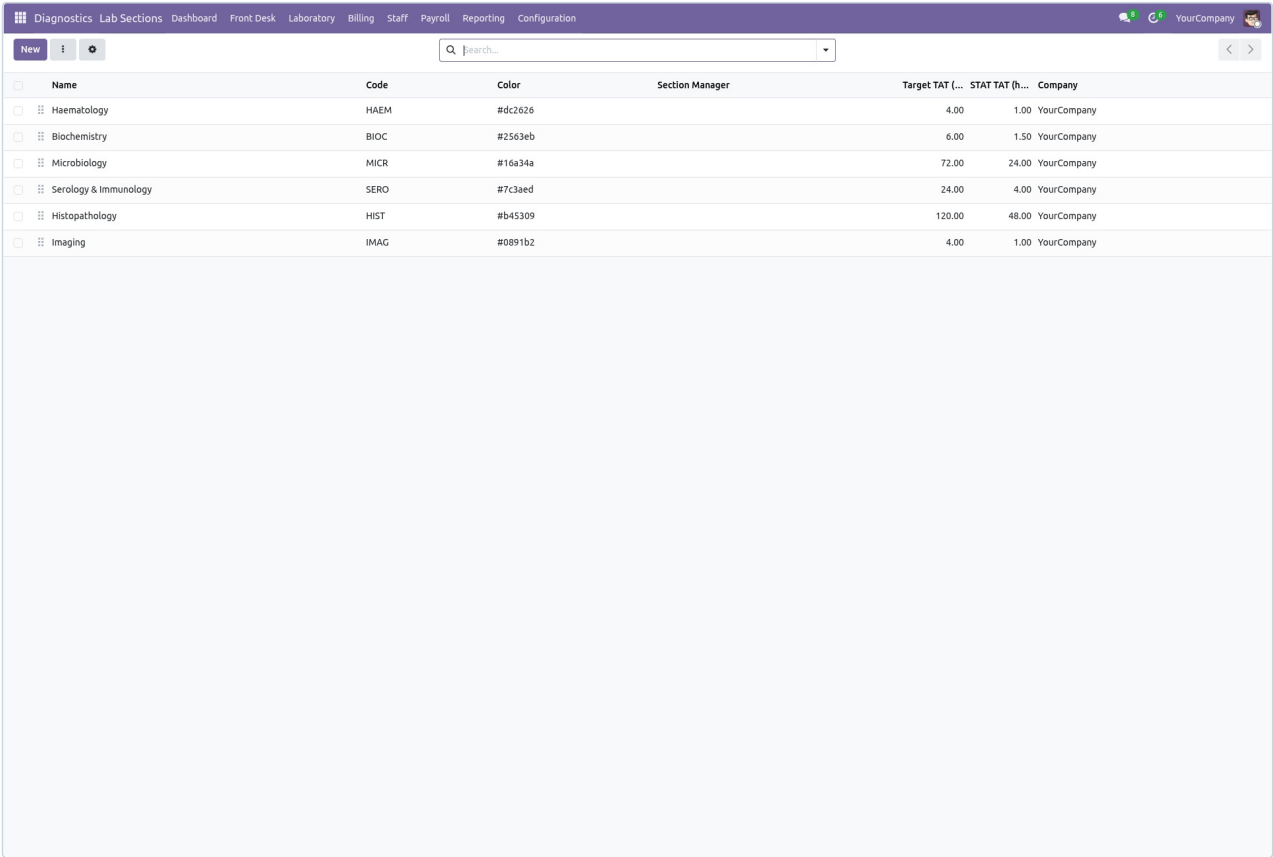


Figure 3.2 — Lab sections. Drag the handle on the left to reorder.

Field	What to put in it
Name	What staff call the bench, e.g. Haematology .
Code	A short unique code, e.g. HEM .
Color	The colour tiles get on the boards.
Manager	The pathologist or technician in charge. Optional.
Target TAT (hours)	The ordinary turnaround target for this bench.
STAT TAT (hours)	The rush target.

Step 3 — Sample types (containers)

Menu: **Diagnostics ► Configuration ► Sample Types.**

These are the real tubes: EDTA, serum, fluoride, citrate, urine, stool, swab. Cap colours are already filled in.

Diagnos

tics

Sample Types

Dashboard

Front Desk

Laboratory

Billing

Staff

Payroll

Reporting

Configuration

🗨️

🔄

👤 YourCompany

New

I

⚙️

🔍

Search...

▼

<

>

☐	Name	Code	Container	Cap Colour	Volume (ml)	Instruction
☐	🔧 Whole Blood (EDTA)	EDTA	EDTA tube	#8b5cf6	3.00	Invert gently 8 times. Do not shake.
☐	🔧 Serum	SER	Serum tube	#dc2626	5.00	Let clot for 30 minutes before centrifuging.
☐	🔧 Plasma (Fluoride)	FLU	Fluoride tube	#6b7280	2.00	For glucose. Invert 8 times.
☐	🔧 Plasma (Citrate)	CIT	Citrate tube	#0ea5e9	2.70	Fill to the mark exactly; under-filling invalidates coagulation tests.
☐	🔧 Urine	URN	Sterile urine pot	#f59e0b	30.00	Midstream, clean catch.
☐	🔧 Stool	STL	Stool container	#a16207	10.00	
☐	🔧 Swab	SWB	Transport swab	#16a34a	0.00	
☐	🔧 No Sample (Imaging)	NONE	No container	#9ca3af	0.00	Nothing to collect; the patient goes straight to the room.

Field	What to put in it
Name	EDTA (Purple) , Serum (Red/Yellow) .
Code	Short unique code.
Container Name	What the collector reads on the rack.
Cap Color	Shown as the tile colour on the Collection queue.
Volume (ml)	How much to draw.
Instruction	Extra drawing notes, e.g. Invert 8 times .

Menu: **Diagnostics** ▶ **Configuration** ▶ **Sessions**.

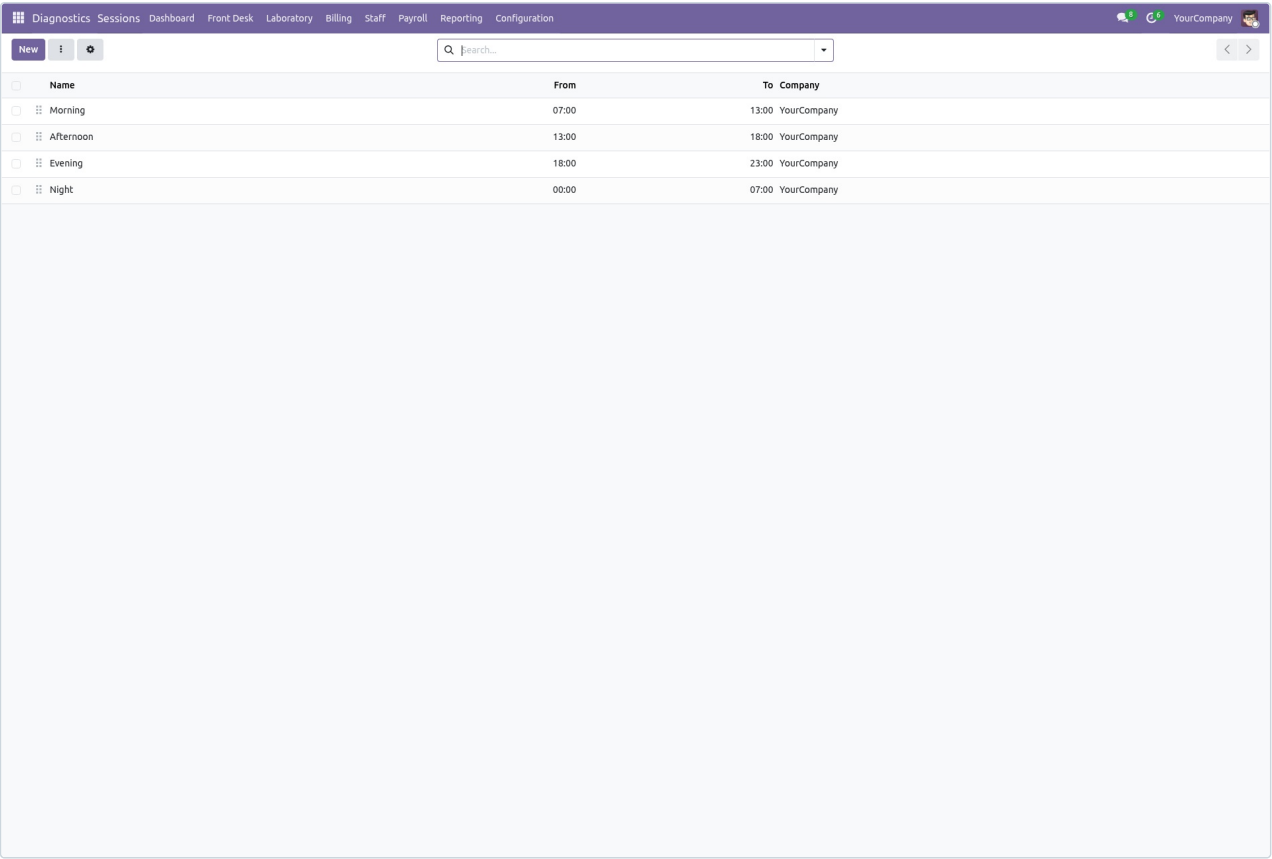


Figure 3.4 — Sessions of the day.

Field	What to put in it
Name	Morning, Evening .
Start Hour / End Hour	Clock time, typed as 8:00 or 08:00 .

Step 5 — Tests and packages

Menu: **Diagnostics ► Configuration ► Tests & Packages.**

A test is an Odoo **service product** with a lab section, a sample type, a turnaround target and its parameters. A **package** is a bundle of tests sold as one price.

Diagnostics

Tests & Packages

Dashboard

Front Desk

Laboratory

Billing

Staff

Payroll

Reporting

Configuration

YourCompany

NewI

Search...

☐	Product Name	Internal Reference	Sales Price	Cost
☐ ☆	Basic Health Check Package	PKG-BASIC	\$ 30.00	\$ 0.00
☐ ☆	Chest X-Ray (PA view)	CXR	\$ 20.00	\$ 0.00
☐ ☆	Complete Blood Count (CBC)	CBC	\$ 12.00	\$ 0.00
☐ ☆	Fasting Blood Sugar	FBS	\$ 6.00	\$ 0.00
☐ ☆	Lipid Profile	LIPID	\$ 18.00	\$ 0.00
☐ ☆	Prostate Specific Antigen (PSA)	PSA	\$ 24.00	\$ 0.00
☐ ☆	Urine Routine Examination	URINE-RE	\$ 8.00	\$ 0.00

Click **New**, or click a row. On the product form tick **Lab Test**, then open the **Lab Test** tab.

Diagnostics

Dashboard

Front Desk

Laboratory

Billing

Staff

Payroll

Reporting

Configuration

Tests & Packages

[PKG-BASIC] Basic Health Check Package

Documents

Product

☆ Basic Health Check Package

Sales

Purchase

General information

Attributes & Variants

Lab Test

PROCESSING

Lab Section

Turnaround (hours) [?] 6.00

STAT Capable [?] ☒

Fasting Required ☐

Synonyms [?] CBC, full blood count

RESTRICTIONS

Restricted to Any

Minimum Age (years) 0.00

Maximum Age (years) 200.00

Sent to an External Lab [?] ☐

TESTS IN THIS PACKAGE

[CBC] Complete Blood Count [CBC] X

[FBS] Fasting Blood Sugar X

[LIPID] Lipid Profile X

Send message

Log note

Activity

Today

OdooBot

10:22 PM

Product created

Field	What to put in it
Lab Test	Tick this. Without it the product never appears in the Test Picker.
Package	Tick this if the product is a bundle of other tests.
Lab Section	Which bench processes it.
Sample Type	Which container to draw. Hidden on packages.
TAT (hours)	Target hours from collection to validation.
STAT Capable	Tick if this test may be ordered as a rush.
Fasting Required	Shows a fasting checkbox on the order.
Synonyms	Extra search words, e.g. CBC, full blood count.
Allowed Sex	Leave empty for everyone, or restrict.
Min Age / Max Age	Optional age window.
External Lab	Tick if this test is sent out. Then External Partner is required.
Tests in this Package	Only on packages: the member tests.
Parameters	One row per result the technician will type. See the next step.
Narrative Template	Starting text for culture, histopathology or imaging reports.
Sales Price	What the patient is charged. This is the ordinary product price.

Each parameter row

Field	What it means
Name	Haemoglobin, WBC.
Code	Short code used in formulas, e.g. hb.
Value Type	Numeric, Selection, Text, or Calculated.
Unit	g/dL, %.
Decimals	How many places to keep on a numeric / calculated value.
Selection Options	Comma-separated, e.g. Positive,Negative.
Formula	For calculated rows, e.g. (hb * 3). Uses parameter codes.
Mandatory	The technician cannot submit without a value.
Printable	Off: used in a formula but not printed on the report.

Step 6 — Test parameters and reference ranges

Menu: **Diagnostics ► Configuration ► Test Parameters.**

The same parameters can also be opened from here, which is the place to type reference ranges by sex and age.

Diagnostics Test Parameters Dashboard Front Desk Laboratory Billing Staff Payroll Reporting Configuration							YourCompany	
New	Search...						< >	
☐ Test	Name	Code	Value Type	Unit	Mandatory	Print on Rep...		
☐ [CBC] Complete Blood Count (CBC)	Haemoglobin	hb	Numeric	g/dL	☒	☒		
☐ [FBS] Fasting Blood Sugar	Glucose (fasting)	glu	Numeric	mmol/L	☒	☒		
☐ [LIPID] Lipid Profile	Total Cholesterol	chol	Numeric	mmol/L	☒	☒		
☐ [URINE-RE] Urine Routine Examination	Protein	prot	Selection		☒	☒		
☐ [PSA] Prostate Specific Antigen (PSA)	PSA	psa	Numeric	ng/mL	☒	☒		
☐ [CXR] Chest X-Ray (PA view)	Findings	find	Text		☒	☒		
☐ [CBC] Complete Blood Count (CBC)	Red Blood Cells	rbc	Numeric	10 ⁶ /uL	☒	☒		
☐ [CBC] Complete Blood Count (CBC)	White Blood Cells	wbc	Numeric	10 ³ /uL	☒	☒		
☐ [CBC] Complete Blood Count (CBC)	Haematocrit (calculated)	hct	Calculated	%	☒	☒		

Figure 3.7 — Every parameter across every test.

The screenshot shows a web application interface for configuring test parameters. The top navigation bar includes links to Diagnostics, Dashboard, Front Desk, Laboratory, Billing, Staff, Payroll, Reporting, and Configuration. The user is logged in as 'YourCompany'. The main content area is titled 'Test Parameters: Chest X-Ray (PA view) / Findings'. It contains a form with the following fields:

- Test:** [CKR] Chest X-Ray (PA view)
- Name:** Findings
- Code:** find
- Value Type:** Text
- Unit:** (empty)
- Mandatory:** ☒
- Print on Report:** ☒

Below the form is a section titled 'REFERENCE RANGES' which contains a table with the following columns: Sex, Age From, Age To, Age Unit, Normal Low, Normal High, Critical Low, Critical High, and Text Range. The table is currently empty, and there is an 'Add a line' button below it.

Figure 3.8 — One parameter and its reference ranges.

Field (parameter)	What it means
Test	The product this parameter belongs to.
Name / Code / Value Type / Unit	Same as on the test form.
Decimals	Shown for numeric and calculated types.
Selection Options	Shown for selection types.
Formula	Shown for calculated types.
Mandatory / Printable	Same as on the test form.

Field (each reference range row)	What it means
Sex	Male, Female, or empty for both.
Age From / Age To	Inclusive window.
Age Unit	Years, months or days.
Low / High	Ordinary reference range. Flags L / H outside it.
Critical Low / Critical High	Flags Critical and paints the order red.
Text Range	Free-text range for non-numeric parameters.

Step 7 — Users and staff

Create an Odoo user the usual way (**Settings ▶ Users**), then tick the Diagnostic role(s) on that user. Then open **Diagnostics ▶ Staff ▶ Diagnostic Staff** and tick **Diagnostic Staff** on the employee, set **Role** and **Lab Section**, and link **Related User**. Chapter 7 covers the fields in full.

Step 8 — AI provider (optional)

Every AI feature in Chapter 10 is switched off until a provider exists, and the rest of the module works perfectly without one. If you do want them, go to **Diagnostics ▶ Configuration ▶ AI Providers**, create a record, and tick **Default Provider** — this last tick is the one people forget, and without it every AI button answers with an error.

Field	What to put in it
Name	Anything you will recognise, e.g. <code>OpenAI – production</code> .
Provider	OpenAI, Anthropic, or Ollama (local).
API Key	From your provider's own console. Not needed for Ollama.
Base URL	Leave empty for the provider's public API. For Ollama, the address of your own server, e.g. <code>http://localhost:11434</code> .
Chat Model	e.g. <code>gpt-4o-mini</code> , <code>claude-3-5-haiku</code> , <code>llama3.1</code> .
Default Provider	Tick this. Only one active provider can be the default.
Temperature	Leave at <code>0.2</code> . Higher invents more.
Price per 1k tokens	Optional. Only used to cost the usage log.

Where your data goes. With OpenAI or Anthropic, the text in the prompt leaves your server and goes to that company. The module never sends patient names, addresses or ID numbers to any provider — see "What is and is not sent" in Chapter 10 — but if your rules forbid any patient data leaving the building at all, choose **Ollama** and run the model on your own hardware.

Part 2 — Day-to-day work

Chapter 4. Front Desk

This is the walk-in counter: register the patient, pick tests, take the order to the cashier, and later hand over the signed report.

4.1 Quick Registration

Menu: **Diagnostics** ► **Front Desk** ► **Quick Registration**.

Three fields are enough: mobile, name, and either a date of birth or an age.

The screenshot shows a web application interface with a top navigation bar containing links: Diagnostics, Dashboard, Front Desk, Laboratory, Billing, Staff, Reports, Reception, and Configuration. The 'Front Desk' link is active. A modal window titled 'Quick Registration' is open, featuring a close button (X) in the top right corner. The form is divided into two columns. The left column contains fields for 'Mobile' (with a placeholder 'Mobile number'), 'Full Name' (with a placeholder 'Full name'), 'Name (Arabic)', 'National / Passport ID', 'Email', and 'Address'. The right column contains fields for 'Birthdate', 'Age (years)' (with a placeholder '0'), 'Sex', 'Nationality', 'Referring Doctor', 'Delivery Preference' (with a sub-label 'Collect at the counter'), and 'Consents to Email' (with an unchecked checkbox). Below the form fields are two tabs: 'More Details' and 'This Visit', with 'This Visit' being the active tab. At the bottom of the modal are three buttons: 'Register & Order Tests' (highlighted in purple), 'Register Only', and 'Cancel'.

Figure 4.1 — Quick Registration. Fill the three fields, then choose a button at the bottom.

Always-visible fields

Field	Required?	What to put in it
Mobile	Yes	The phone number. The duplicate check uses this.
Name	Yes	The patient's full name.
Date of Birth	One of birthdate or age	Prefer this. Age is then computed for you.
Age (years)	If no birthdate	Typed age. The system stores 1 January of the derived year and marks age as estimated. Hidden once a birthdate is set.
Sex	Recommended	Male / Female / Other. Reference ranges use this.

If the mobile (or national ID) matches someone already in the file, a yellow warning appears with the matching patients. Choose **Existing Patient** to reuse that file instead of creating a double.

More Details tab

Field	What to put in it
National / Passport ID	National ID, Emirates ID or passport. Also used by the duplicate check.
Email	Needed if the report will be emailed.
Address	Free text.
Nationality	Country.
Usual Referring Doctor	The clinician who sent the patient.
Delivery Preference	Collect at the counter, Email, or Portal link.
Consents to Email	Tick if the patient agreed to receive the report by e-mail.

This Visit tab

Field	What to put in it
Priority	Routine or STAT (rush).
Collection Type	Centre (walk-in) or Home.

Buttons

Button	What it does
Register & Order Tests	Saves the patient, opens a draft order, then opens the Test Picker .
Register Only	Saves the patient and stops. Use this when they are not testing today.
Cancel	Closes without saving.

4.2 The Test Picker

This is the tile board of tests and packages. Click a tile to add it to the open order. Click again to remove it.

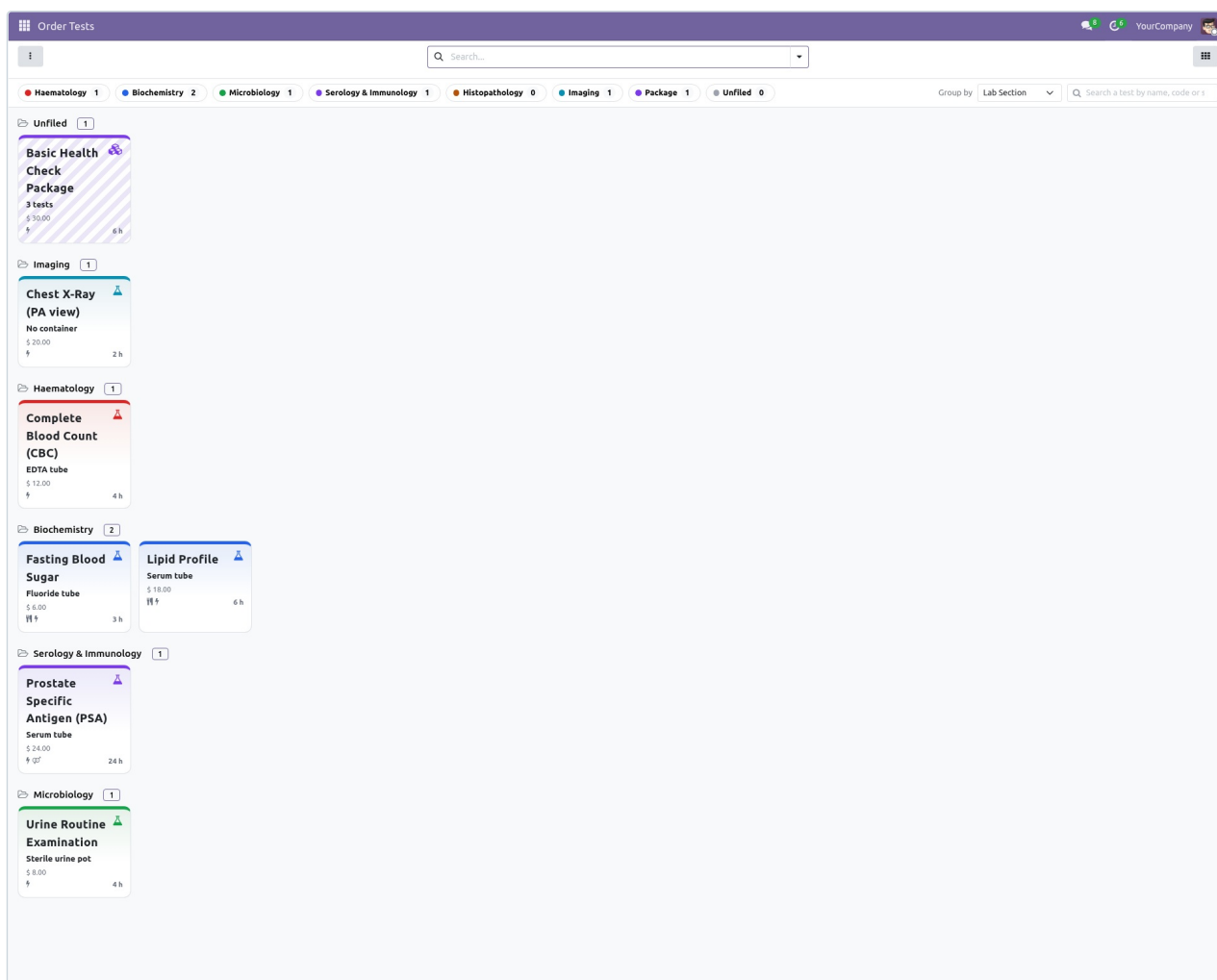


Figure 4.2 — Test Picker. Each tile shows the test name, section, container, price and TAT.

You can also add tests later from the order form's **Tests** tab, by typing in the empty line at the bottom of the list. There is no separate "Add Tests" header button — that was removed so the header only keeps the buttons that move the order forward.

4.3 Patients

Menu: **Diagnostics** ► **Front Desk** ► **Patients**.

Diagnostics Patients Dashboard Front Desk Laboratory Billing Staff Payroll Reporting Configuration						YourCompany	
New						Search...	
☐	Patient ID	Name	Mobile	Age	Sex	Orders	
☐	PT-2026-000013	Hana Youssef	+971 50 888 9900	6 y	Female	1	
☐	PT-2026-000012	Priya Nair	+971 50 666 7788	34 y	Female	1	
☐	PT-2026-000011	Yusuf Rahman	+971 50 555 6677	62 y	Male	1	
☐	PT-2026-000010	Sara Ahmed	+971 50 333 4455	29 y	Female	1	
☐	PT-2026-000009	Ahmed Khalil	+971 50 222 3344	45 y	Male	1	
☐	PT-2026-000001	Fatima Al Noor	+971 50 111 2233	34 y	Female	1	
☐	PT-2026-000003	Lina Farouk	+971 50 777 8899	8 y	Female	0	
☐	PT-2026-000002	Omar Haddad	+971 50 444 5566	57 y	Male	0	

Figure 4.3 — The patient list. Search by name, patient ID or mobile.

List columns: Patient ID, Name, Mobile, Age, Sex, National ID (optional), Email (optional), Delivery Preference (optional), Orders.

Click **New** or a row.

Diagnostics Dashboard Front Desk Laboratory Billing Staff Payroll Reporting Configuration

Patients

New

PT-2026-000009 - Ahmed Khalil

Orders 1

1/1

New Order

Name

Ahmed Khalil

PT-2026-000009

CONTACT

Mobile

+971 50 222 3344

Email

ahmed.demo@example.com

Address

Nationality

National / Passport ID

CLINICAL

Sex

Male

Birthdate

Jun 15, 1981

Age

45 y

Age Estimated

☐

REPORTS

Delivery Preference

Collect at the counter

Usual Referring Doctor

Contact

Ahmed Khalil

Company

YourCompany

CONSENT

Consent Date

Consents to Email

☐

Consents to SMS

☐

Orders

Name	Order Date	State	Amount Total	Amount Due
DX-2609-00003	Sep 19, 10:36 AM	To Validate	\$ 41.40	\$ 0.00

Send message

Log note

Activity

Today

Mitchell Admin

10:36 AM

Diagnostic Patient created

Figure 4.4 — A patient. The Patient ID (PT-...) is assigned automatically. There is only one name field. If your screen still shows

Name (Arabic), upgrade the module to 19.0.1.2.0 (-u easy_diagnostic_center) and refresh.

Header

Button	What it does
New Order	Opens a draft diagnostic order for this patient.
Orders (smart button)	Opens this patient's previous orders.

Fields

Field	Required?	What to put in it
Photo	No	Optional picture.
Name	Yes	Full name.
Patient ID	Automatic	Sequence. You never type this.
Mobile	Yes	Phone number.
Email	No	For emailed reports.
Address	No	Free text.
Nationality	No	Country.
National / Passport ID	No	Used by the duplicate check.
Sex	Recommended	Male / Female / Other.
Date of Birth	Recommended	Age is computed from this.
Age	Read-only	32y 4m style display.
Age Estimated	Read-only	On when only a typed age was known at registration.
Delivery Preference	Yes	Counter / Email / Portal link. Default is counter.
Usual Referring Doctor	No	Default referring doctor on new orders.
Consent Date	No	When they consented to data processing.
Consents to Email / Consents to SMS	No	Channel permissions.
Contact	Automatic	The invoice partner, created on the first bill.
Orders tab	Read-only	Previous orders with date, stage, total and due.

There is **no Arabic-name field**. One name field is used everywhere: the form, the report and the portal.

The search bar also filters **Male**, **Female**, **Registered** (by date) and **Archived**.

4.4 Front Desk Board and the order form

Menu: **Diagnostics** ► **Front Desk** ► **Front Desk Board**.

The board is a tile view of today's orders. Switch to the list, calendar, pivot or graph with the icons at the top-right.

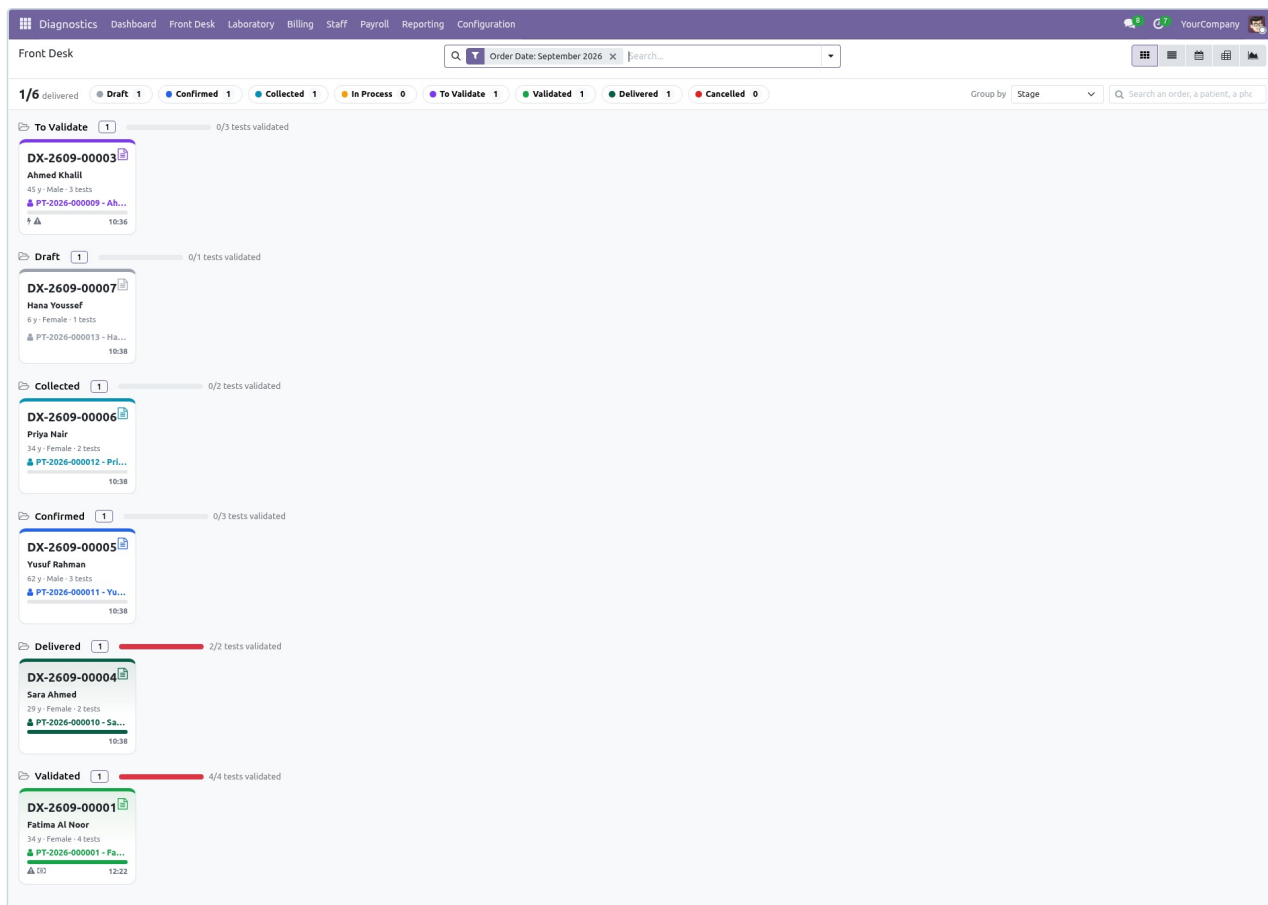


Figure 4.5 — Front Desk board (tile view).

Figure 4.6 shows the 'Front Desk' board in a list view. The interface includes a top navigation bar with tabs for Diagnostics, Front Desk, Dashboard, Laboratory, Billing, Staff, Payroll, Reporting, and Configuration. The 'Front Desk' tab is active, displaying a search bar and filters. Below the search bar, a list of test orders is displayed as a table. The table includes a summary row at the bottom showing totals for Amount Total and Amount Due.

Name	Order Date	Patient	Age	Priority	Tests	Amount Total	Amount Due	Payment	State
DX-2609-00007	Sep 19, 10:38 AM	PT-2026-000013 - Hana Youssef	6 y	Routine	1	\$ 13.80	\$ 0.00		Draft
DX-2609-00006	Sep 19, 10:38 AM	PT-2026-000012 - Priya Nair	34 y	Routine	2	\$ 34.50	\$ 0.00	Paid	Collected
DX-2609-00005	Sep 19, 10:38 AM	PT-2026-000011 - Yusuf Rahman	62 y	Routine	3	\$ 64.40	\$ 0.00	Paid	Confirmed
DX-2609-00004	Sep 19, 10:38 AM	PT-2026-000010 - Sara Ahmed	29 y	Routine	2	\$ 23.00	\$ 0.00	Paid	Delivered
DX-2609-00003	Sep 19, 10:36 AM	PT-2026-000009 - Ahmed Khalil	45 y	Urgent	3	\$ 41.40	\$ 0.00	Paid	To Validate
DX-2609-00001	Sep 18, 12:22 PM	PT-2026-000001 - Fatima Al Noor	34 y	Routine	4	\$ 50.60	\$ 20.60	Partially Paid	Validated
						\$ 227.70	\$ 20.60		

Figure 4.6 — The same orders as a list. STAT rows are bold; critical results are red.

List columns: Number, Date, Patient, Age, Priority, Tests, Sections, Session, Referring Doctor, Total, Due, Payment State, Due Date, Stage.

Click a tile or row to open the order.

Diagnostics
Dashboard
Front Desk
Laboratory
Billing
Staff
Payroll
Reporting
Configuration

New
Front Desk
DX-2609-00003
Invoice
Samples
1/1

Cancel
To Validate
Send message
Log note
Activity

DX-2609-00003

PATIENT

THIS ORDER

Patient
PT-2026-000009 - Ahmed Khalil
Age
45 y
Sex
Male
Referring Doctor

Order Date
Sep 19, 10:36 AM
Session
Morning
Priority
Urgent
Collection Type
In-center
Patient Fasting ?
Report Due ?
Sep 19, 4:36 PM

Tests
Samples
Billing
Delivery
Notes

Test	Name	Lab Section	Price Unit	Discount (%)	Price Subtotal	State
[CBC] Complete Blood Count (CBC)	Complete Blood Count (CBC)	Haematology	\$ 12.00	0.00	\$ 12.00	Results Entered
[FBS] Fasting Blood Sugar	Fasting Blood Sugar	Biochemistry	\$ 6.00	0.00	\$ 6.00	Results Entered
[LIPID] Lipid Profile	Lipid Profile	Biochemistry	\$ 18.00	0.00	\$ 18.00	Results Entered

Amount Untaxed: \$ 36.00
Discount Type: None
Amount Discount: \$ 0.00
Amount Tax: \$ 5.40
Amount Total: \$ 41.40
Amount Due: \$ 0.00

Planned Activities

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin
Critical result on Complete Blood Count (CBC) for Ahmed Khalil: Haemoglobin = 6.5 LL, White Blood Cells = 0.0 LL
Mark Done Edit Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin
Critical result on Complete Blood Count (CBC) for Ahmed Khalil: Haemoglobin = 6.5 LL
Mark Done Edit Cancel

Today

Mitchell Admin 10:38 AM
In Process → To Validate (State)

Mitchell Admin 10:38 AM
Critical result on Complete Blood Count (CBC) for Ahmed Khalil: Haemoglobin = 6.5 LL

Mitchell Admin 10:38 AM
Critical result on Complete Blood Count (CBC) for Ahmed Khalil: Haemoglobin = 6.5 LL, White Blood Cells = 0.0 LL

Mitchell Admin 10:38 AM
Collected → In Process (State)

Mitchell Admin 10:38 AM
Confirmed → Collected (State)

Mitchell Admin 10:36 AM
None → Paid (Payment)

Mitchell Admin 10:36 AM
Draft → Confirmed (State)

Mitchell Admin 10:36 AM
Diagnostic Order created

Figure 4.7 — A diagnostic order. The header buttons change with the stage. There is no Add Tests button here.

Header buttons (shown only when they apply)

Button	When you see it	What it does
Bill & Pay	Draft	Opens the cashier wizard.
Confirm without Payment	Draft, managers only	Confirms the order without taking money.
Deliver	Validated	Opens the delivery wizard.
Cancel	Not cancelled / delivered	Cancels. Tests with results must be rejected first.
Reset to Draft	Cancelled, managers only	Brings a cancelled order back.
Invoice (smart button)	After billing	Opens the posted invoice.
Samples (smart button)	Always	Opens the containers for this order.

A red **Critical** ribbon appears if any result is outside the critical range.

Patient group

Field	What it means
Patient	Who this visit is for. Editable only in Draft.
Age / Sex	Copied from the patient. Read-only.
Referring Doctor	Who sent this visit.

This Order group

Field	What it means
Order Date	Editable only in Draft.
Session	Morning / Afternoon / Evening.
Priority	Routine or STAT.
Collection Type	Centre or Home.
Fasting	Shown only if a selected test requires fasting.
Due Date & Time	When the report is expected, from the longest TAT.

Tests tab

Diagnostics
Dashboard
Front Desk
Laboratory
Billing
Staff
Payroll
Reporting
Configuration

Front Desk
DX-2609-00003

Invoice
Samples

1 / 1

Cancel
Draft
Confirmed
Collected
In Process
To Validate
Validated
Delivered

Send message
Log note
Activity

DX-2609-00003

PATIENT

Patient
PT-2026-000009 - Ahmed Khalil

Age
45 y

Sex
Male

Referring Doctor

THIS ORDER

Order Date
Sep 19, 10:36 AM

Session
Morning

Priority
Urgent

Collection Type
In-center

Patient Fasting

Report Due
Sep 19, 4:36 PM

Tests
Samples
Billing
Delivery
Notes

Test	Name	Lab Section	Price Unit	Discount (%)	Price Subtotal	State
[CBC] Complete Blood Count (CBC)	Complete Blood Count (CBC)	Haematology	\$ 12.00	0.00	\$ 12.00	Results Entered
[FBS] Fasting Blood Sugar	Fasting Blood Sugar	Biochemistry	\$ 6.00	0.00	\$ 6.00	Results Entered
[LIPID] Lipid Profile	Lipid Profile	Biochemistry	\$ 18.00	0.00	\$ 18.00	Results Entered

Amount Untaxed:

\$ 36.00

Discount Type:

None

Amount Discount:

\$ 0.00

Amount Tax:

\$ 5.40

Amount Total:

\$ 41.40

Amount Due:

\$ 0.00

Planned Activities

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Ahmed Khalil: Haemoglobin = 6.5 LL, White Blood Cells = 0.0 LL.

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Ahmed Khalil: Haemoglobin = 6.5 LL, White Blood Cells = 0.0 LL.

Today

Mitchell Admin 10:38 AM In Process → To Validate (State)

Mitchell Admin 10:38 AM Critical result on Complete Blood Count (CBC) for Ahmed Khalil: Haemoglobin = 6.5 LL, White Blood Cells = 0.0 LL.

Mitchell Admin 10:38 AM Critical result on Complete Blood Count (CBC) for Ahmed Khalil: Haemoglobin = 6.5 LL, White Blood Cells = 0.0 LL.

Mitchell Admin 10:38 AM Collected → In Process (State)

Mitchell Admin 10:38 AM Confirmed → Collected (State)

Mitchell Admin 10:38 AM None → Paid (Payment)

Mitchell Admin 10:38 AM Draft → Confirmed (State)

Mitchell Admin 10:38 AM Diagnostic Order created

Figure 4.8 — Tests on the order. Add a line at the bottom while the order is Draft.

Column	What it means
Handle	Drag to reorder printed tests.
Test	Pick from lab tests (not packages — packages explode into member tests).
Description	Line name, usually the test name.
Lab Section	Bench. Filled from the test.
Sample	The container, filled after confirmation.
Unit Price	From the product / pricelist.
Discount	Line discount %.
Taxes	Optional.
Subtotal	After discount, before order-level discount.
Stage	That test's own stage.

Totals under the list

Field	What it means
Untaxed Amount	Sum of lines.
Discount Type	None, Percent or Amount.
Discount Value	The % or amount, hidden when type is None.
Discount	Computed order-level discount.
Tax	Computed tax.
Total	What the patient owes before payments.
Amount Due	What is still unpaid.

Samples tab

Field	What it means
Bill To	Invoice partner. Defaults to the patient's contact.
Pricelist	Optional special prices.
Currency	From the company.
Invoice	The posted invoice. Read-only.
Payment State	Computed.
Responsible	The user who created the order.

Delivery tab

Diagnos

tics

Dashboard

Front Desk

Laboratory

Billing

Staff

Payroll

Reporting

Configuration

New

Front Desk

DX-2609-00001

Invoice

Samples

4

1 / 1

Deliver

Cancel

Draft

Confirmed

Collected

In Process

To Validate

Validated

Delivered

Send message

Log note

Activity

DX-2609-00001

PATIENT

Patient

PT-2026-000001 - Fatima Al Noor

Age

34 y

Sex

Female

Referring Doctor

THIS ORDER

Order Date

Sep 18, 12:22 PM

Session

Night

Priority

Routine

Collection Type

In-center

Patient Fasting

☐

Report Due

Sep 18, 9:14 PM

Tests

Samples

Billing

Delivery

Notes

Validated Datetime

Sep 18, 3:24 PM

Delivered Datetime

TAT (hours)

0.17

Delivery Datetime

Channel

Recipient

Delivered by

Is Reprint

CRITICAL

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 0.0 LL, White Blood Cells = 0.0 LL
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Fasting Blood Sugar" for Mitchell Admin @ Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (fasting) = 0.0 LL
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 1.0 LL, White Blood Cells = 0.0 LL
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 0.0 LL
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Fasting Blood Sugar" for Mitchell Admin @ Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (fasting) = 334545.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @ Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Fasting Blood Sugar" for Mitchell Admin @ Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (fasting) = 334545.0 HH
✓ Mark Done ✎ Edit ✕ Cancel

Today

Mitchell Admin 3:24 PM To Validate → Validated (State)

Mitchell Admin 3:24 PM Fasting Blood Sugar validated.

Mitchell Admin 3:24 PM Lipid Profile validated.

Mitchell Admin 3:24 PM Urine Routine Examination validated.

Mitchell Admin 3:24 PM Complete Blood Count (CBC) validated.

Mitchell Admin 3:24 PM Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (fasting) = 334545.0 HH

Mitchell Admin 3:24 PM Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:24 PM Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:24 PM Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:24 PM Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:24 PM Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:24 PM In Process → To Validate (State)

Mitchell Admin 3:24 PM Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (fasting) = 334545.0 HH

Mitchell Admin 3:24 PM Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:23 PM Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (fasting) = 334545.0 HH

Mitchell Admin 3:23 PM Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:23 PM
 Edited comment on 8/2/2020

Mitchell Admin 3:23 PM

Mitchell Admin 3:23 PM

OdooBot 3:22 PM
Critical result on East

OdooBot 3:22 PM
Critical result on East

OdooBot 3:22 PM
Critical result on Co

OdooBot 3:22 PM
Critical result on Co

Mitchell Admin 3:16 PM
Confirmed → [In Progress](#)

Mitchell Admin 3:16 PM
Confirmed → [In Progress](#)

Mitchell Admin 3:14 PM

Mitchell Admin 3:14 PM

Draft → Confirmed

Draft → Confirmed

 OdooBot 12:22 PM
Diagnostic Order created



Figure 4.11 — When it was signed, when it was handed over, and every copy.

Field	What it means
Validated on	When the last test was signed.
Delivered on	When the report was first handed over.
TAT (hours)	Actual hours from order to validation.
Delivery log	Date, channel (print / email / portal), recipient, user, reprint flag.

Notes tab

Diagnos

tics

Dashboard

Front Desk

Laboratory

Billing

Staff

Payroll

Reporting

Configuration

New

Front Desk

DX-2609-00001

Invoice

Samples

4

1 / 1

<

>

Deliver

Cancel

Draft

Confirmed

Collected

In Process

To Validate

Validated

Delivered

Send message

Log note

Activity

DX-2609-00001

PATIENT

Patient

PT-2026-000001 - Fatima Al Noor

Age

34 y

Sex

Female

Referring Doctor

THIS ORDER

Order Date

Sep 18, 12:22 PM

Session

Night

Priority

Routine

Collection Type

In-center

Patient Fasting?

☐

Report Due?

Sep 18, 9:14 PM

Tests

Samples

Billing

Delivery

Notes

Anything the lab should know

CRITICAL

Planned Activities

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 0.0 LL, White Blood Cells = 0.0 LL

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Fasting Blood Sugar" for Mitchell Admin @

Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (Fasting) = 0.0 LL

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 1.0 LL, White Blood Cells = 0.0 LL

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 0.0 LL

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Fasting Blood Sugar" for Mitchell Admin @

Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (Fasting) = 334545.0 HH

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Complete Blood Count (CBC)" for Mitchell Admin @

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

✓ Mark Done ✎ Edit ✕ Cancel

Today: "Critical result: Fasting Blood Sugar" for Mitchell Admin @

Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (Fasting) = 334545.0 HH

✓ Mark Done ✎ Edit ✕ Cancel

Today

Mitchell Admin 3:24 PM

To Validate → Validated (State)

Mitchell Admin 3:24 PM

Fasting Blood Sugar validated.

Mitchell Admin 3:24 PM

Lipid Profile validated.

Mitchell Admin 3:24 PM

Urine Routine Examination validated.

Mitchell Admin 3:24 PM

Complete Blood Count (CBC) validated.

Mitchell Admin 3:24 PM

Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (Fasting) = 334545.0 HH

Mitchell Admin 3:24 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:24 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

Mitchell Admin 3:24 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH

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Page 27 of 72

White Blood Cells = 324324.0 HH



Mitchell Admin 3:24 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH



Mitchell Admin 3:24 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH



Mitchell Admin 3:24 PM

In Process → [To Validate](#) (State)



Mitchell Admin 3:24 PM

Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (Fasting) = 334545.0 HH



Mitchell Admin 3:24 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH



Mitchell Admin 3:23 PM

Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (Fasting) = 334545.0 HH



Mitchell Admin 3:23 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 324324.0 HH



Mitchell Admin 3:23 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 12367.0 HH, White Blood Cells = 0.0 LL



Mitchell Admin 3:23 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 1.0 LL, White Blood Cells = 0.0 LL



OdooBot 3:22 PM

Critical result on Fasting Blood Sugar for Fatima Al Noor: Glucose (Fasting) = 0.0 LL



OdooBot 3:22 PM

Critical result on Complete Blood Count (CBC) for Fatima Al Noor: Haemoglobin = 0.0 LL, White Blood Cells = 0.0 LL



Mitchell Admin 3:16 PM

Confirmed → [In Process](#) (State)



Mitchell Admin 3:14 PM

None → [Partially Paid](#) (Payment)



Draft → [Confirmed](#) (State)



OdooBot 12:23 PM

Diagnostic Order created

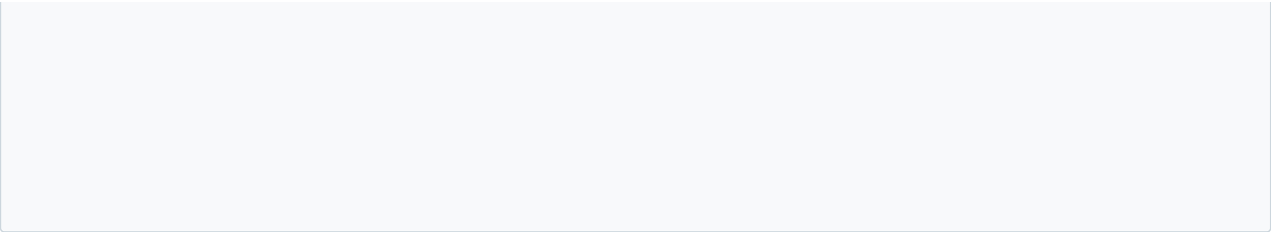


Figure 4.12 — Free text for the lab, e.g. *Patient on warfarin*.

4.5 Bill & Pay

From a **Draft** order click **Bill & Pay**. This is the cashier's one screen.

Newdc.bill.pay.wizard,91/1<>

ORDER

PatientPT-2026-000013 - Hana Youssef

Bill To ?

DISCOUNT

Discount TypeNonePercentageFixed amount

Name

Complete Blood Count (CBC)

AMOUNTS

Amount Untaxed\$ 12.00

Amount Discount\$ 0.00

Amount Tax\$ 1.80

Amount Total\$ 13.80

PAYMENT

Payment MethodBank

Payment DateSep 19

Amount Received\$ 13.80

Amount Change\$ 0.00

Lab Section

Haematology

Price Unit

Discount (%)

Price Subtotal

\$ 12.00

0.00

\$ 12.00

Print Receipt☒

Print Sample Labels☒

Figure 4.13 — Bill & Pay. On a draft order this opens as a pop-up;

Confirm & Pay at the bottom posts the invoice and the payment together.

Field	What it means
Patient	Read-only.
Bill To	Who the invoice is addressed to.
Untaxed / Discount / Tax / Total	Computed from the order.
Discount Type / Discount Value	Order-level discount. Above the Settings limit, Supervisor PIN appears and is required.
Journal	Cash, bank or the till journal.
Payment Date	Usually today.
Amount Received	What the patient handed over.
Change	Computed if they overpaid in cash.
Remaining	Shown in red if they underpaid (only if partial payment is allowed).
Tests list	Read-only reminder of what is being billed.
Auto-print Receipt / Auto-print Sample Labels	Defaults from Settings; you may untick for this visit.

Click **Confirm & Pay**. The order becomes **Confirmed**, samples appear in the Collection queue, and (if ticked) the receipt and labels print.

4.6 Delivery

Menu: **Diagnostics ▶ Front Desk ▶ Delivery**.

Only **Validated** orders appear here.

<

Figure 4.14 — Reports waiting to be handed over.

Open the order and click **Deliver**.

New

dc.report.delivery.wizard,9

1 / 1

Patient

PT-2026-000001 - Fatima Al Noor

Amount Due

\$ 20.60

Channel

Print at the counter

Email

Portal link

Recipient

fatima.demo@example.com

This report still has a balance due. Only a manager, or a company that allows release with a due balance, can hand it over.

Figure 4.15 — Choose how to hand the report over.

Field	What it means
Patient	Read-only.
Amount Due	Shown in red if anything is still unpaid.
Channel	Print, Email or Portal link.
Recipient	E-mail address or name. Hidden for Print.
Portal URL	Copy-able link. Shown for Portal.

If a balance is due and Settings do not allow release, only a manager can complete this. Reprints are watermarked **COPY**.

Chapter 5. Laboratory

The sample leaves the patient and becomes work on a bench.

5.1 Collection

Menu: **Diagnostics** ► **Laboratory** ► **Collection**.

One tile per container, in its real cap colour. Collect by clicking the tile or by scanning the barcode into the search box.

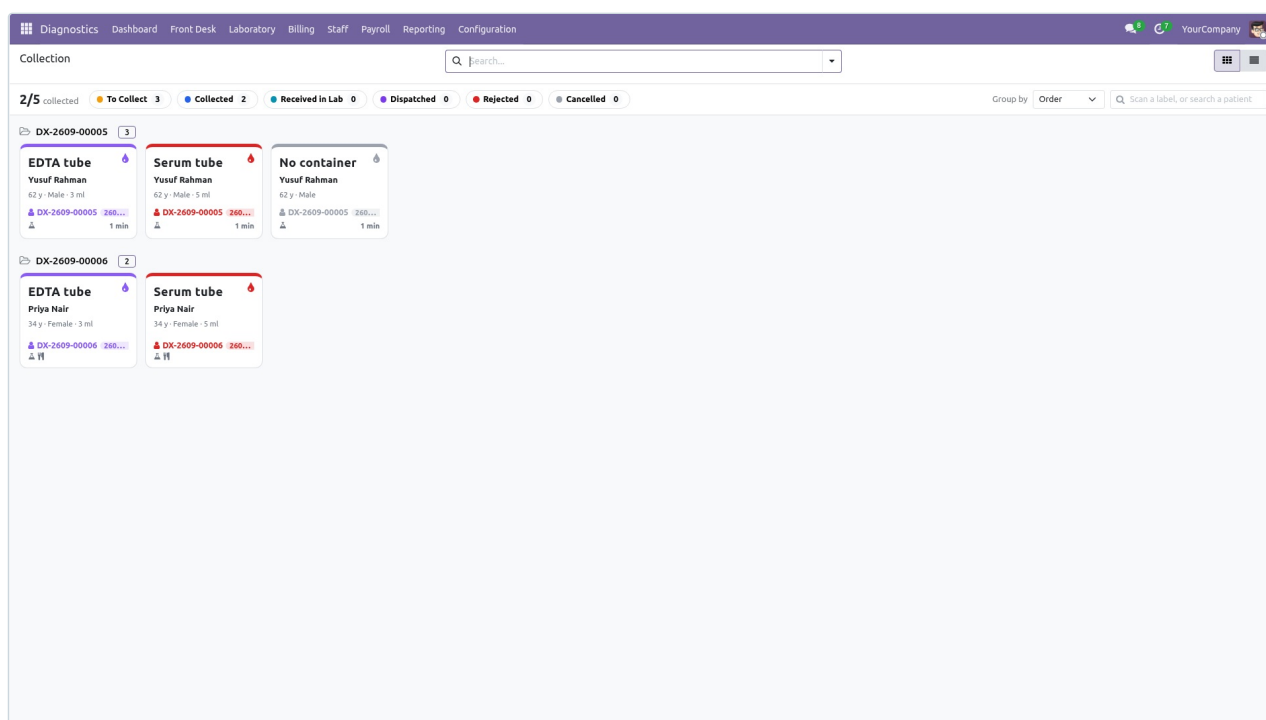


Figure 5.1 — Collection queue. Tiles are the tubes waiting to be drawn.

Open a sample for the full form.

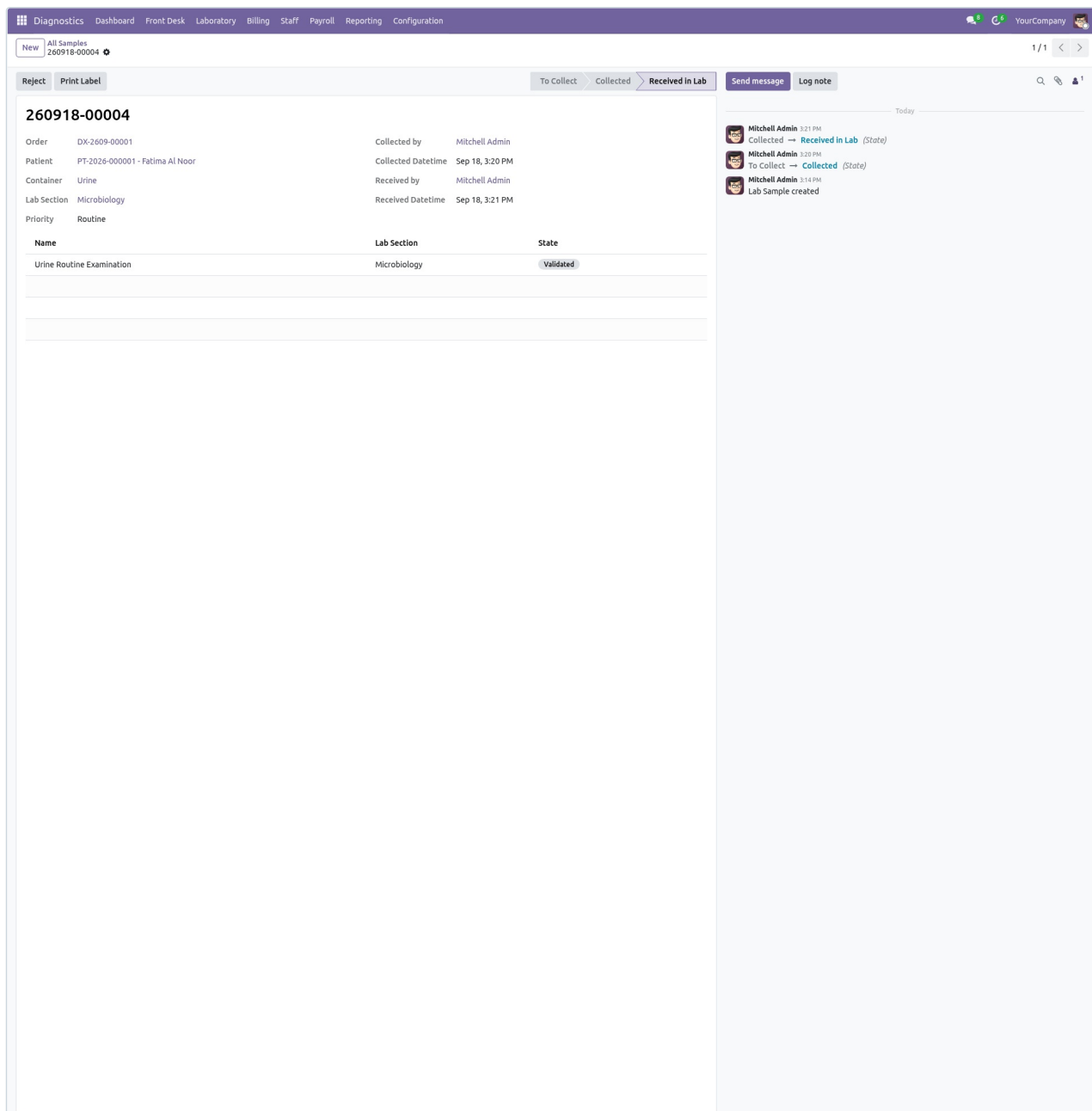


Figure 5.2 — One sample / container.

Header buttons

Button	When	What it does
Collect	To Collect	Marks drawn, stamps you and the time.
Receive in Lab	Collected	The bench has physically received the tube.
Reject	To Collect / Collected / Received	Opens the reject wizard and queues a recollection.
Print Label	Always	Prints the barcode label.

Fields

Field	What it means
Sample ID	Barcode. Read-only.
Order / Patient	Where it came from. Read-only.
Sample Type	Container. Editable only before collection.
Lab Section	Bench.
Priority	Copied from the order.
Collected by / Collected on	Stamped on Collect.
Received by / Received on	Stamped on Receive.
Parent Sample	Shown if this is a recollection.
External Lab	Shown if it was dispatched out.
Reject Reason / Reject Note	Shown only when rejected.
Tests on this sample	Read-only list of order lines sharing this tube.

5.2 Reject a sample

New dc.sample.reject.wizard,10 1/1

260918-00004

Reason

☐ Patient refused

☒ Insufficient sample

☐ Haemolysed

☐ Clotted

☐ Mislabelled

☐ Other

Note

Anything the front desk should tell the patient

A replacement sample is queued for collection automatically; the patient is not billed again.

Figure 5.3 — Reject & Recollect. The patient is not billed again.

Field	What it means
Samples	Which tubes. Read-only.
Reason	Haemolysed, insufficient, clotted, wrong container, patient refused, other.
Note	What the front desk should tell the patient.

5.3 Dispatch to an external lab

From the sample list, select tubes and use **Action ► Dispatch to an External Lab**.

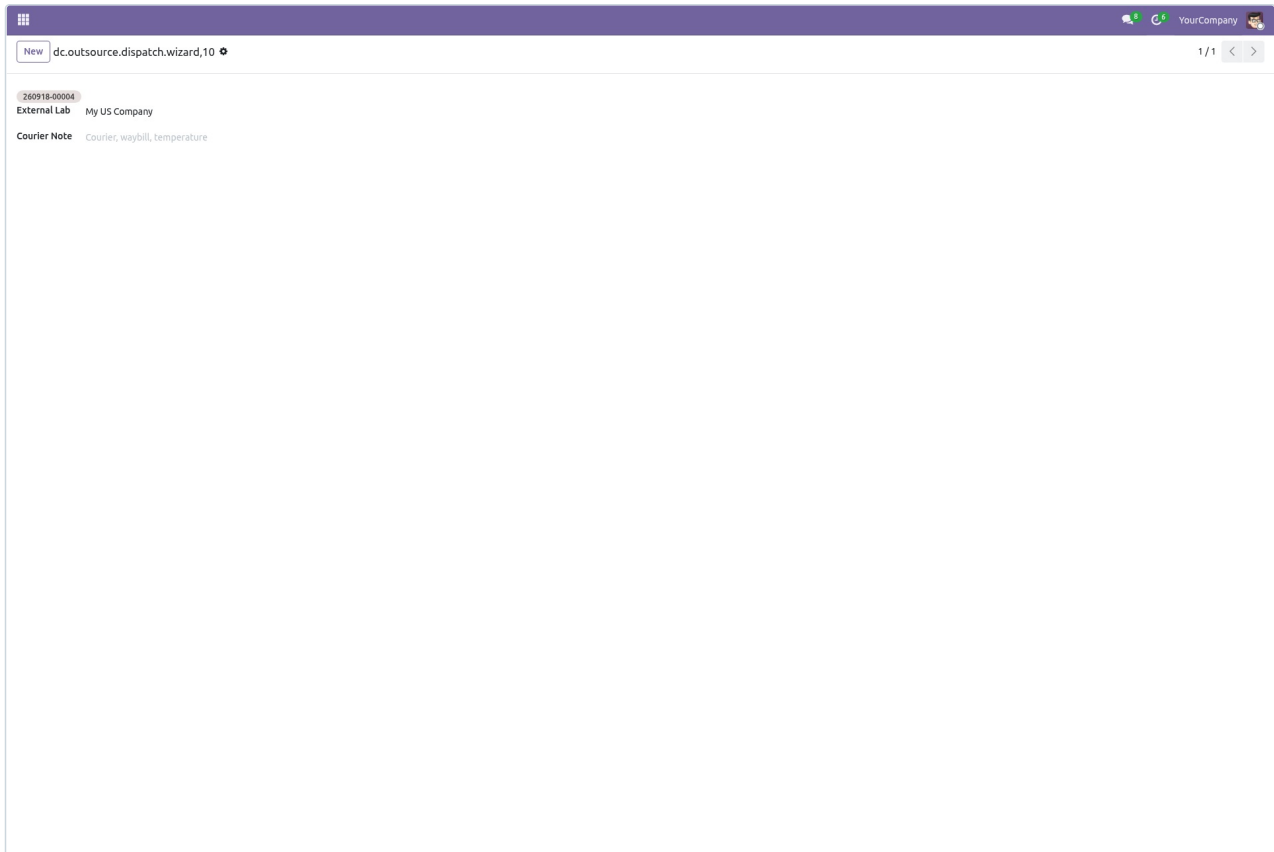


Figure 5.4 — Sending tubes to a reference lab.

Field	What it means
Samples	The selected tubes.
External Lab	The partner who will process them. Required.
Courier Note	Waybill, temperature, courier name.

5.4 Worklist

Menu: **Diagnostics** ► **Laboratory** ► **Worklist**.

Tests whose containers have been collected. Technicians live here.

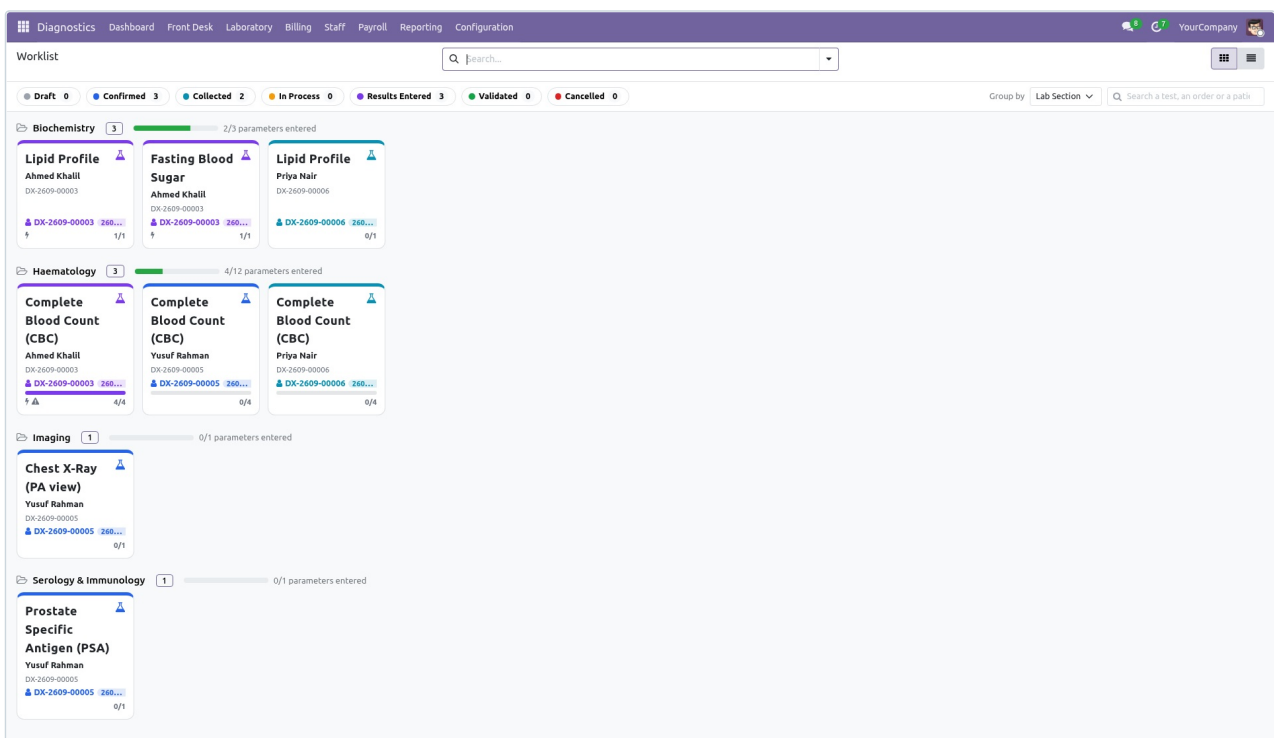


Figure 5.5 — Worklist tiles. STAT is highlighted; critical is red.

The list variant has row buttons: **Receive**, **Enter**, **Submit**, **Validate** (pathologist), **Reject** (pathologist).

5.5 Result Sheet and Batch Result Entry

Menu: **Diagnostics ► Laboratory ► Result Sheet.**

An editable matrix: tests down, parameters across, for one order. Click a cell, type, save. Ranges and High / Low / Critical flags apply on save.

The screenshot shows the 'Result Sheet' interface. At the top, there's a navigation bar with 'Diagnostics' selected. Below it, a header shows 'Order: DX-2609-00003 - Ahmed Khalil (45 y)' and '6 of 6 results entered'. A note says 'Click a cell to enter a value. Flags and reference ranges are applied when you save.' The main table has columns for 'Test', 'Haemoglobin', 'Red Blood Cells', 'White Blood Cells', 'Haematocrit (calculated)', 'Glucose (fasting)', and 'Total Cholesterol'. The rows are 'Complete Blood Count (CBC)', 'Fasting Blood Sugar', and 'Lipid Profile'. Values are entered in some cells, with flags like '6.5 LL', '4.60', '13.2 H', '6.4 H', and '4.80'.

Test	Haemoglobin g/dL	Red Blood Cells 10 ⁶ /uL	White Blood Cells 10 ³ /uL	Haematocrit (calculated) %	Glucose (fasting) mmol/L	Total Cholesterol mmol/L
Complete Blood Count (CBC) 260919-00005	6.5 LL ⇒ 13.5 - 17.5 g/dL	4.60 ⇒ 4.2 - 5.9 10 ⁶ /uL	13.2 H ⇒ 4 - 11 10 ³ /uL	19.5		
Fasting Blood Sugar 260919-00006					6.4 H ⇒ 3.9 - 5.5 mmol/L	
Lipid Profile 260919-00007						4.80 ⇒ 0 - 5.2 mmol/L

Figure 5.6 — Result Sheet. One order, every test, every parameter.

Menu: **Diagnostics ► Laboratory ► Batch Result Entry.**

The same cells, sliced the other way: one test, one day, every sample.

The screenshot shows the 'Batch Result Entry' interface. At the top, there's a navigation bar with 'Diagnostics' selected. Below it, a header shows 'Test and Day: Complete Blood Count (CBC) - 2026-09-19 (2 samples)' and '4 of 8 results entered'. A note says 'Click a cell to enter a value. Flags and reference ranges are applied when you save.' The main table has columns for 'Sample', 'Haemoglobin', 'Red Blood Cells', 'White Blood Cells', and 'Haematocrit (calculated)'. The rows are 'Ahmed Khalil' and 'Priya Nair'. Values are entered in some cells, with flags like '6.5 LL', '4.60', '13.2 H', and '19.5'.

Sample	Haemoglobin g/dL	Red Blood Cells 10 ⁶ /uL	White Blood Cells 10 ³ /uL	Haematocrit (calculated) %
Ahmed Khalil DX-2609-00003	6.5 LL ⇒ 13.5 - 17.5 g/dL	4.60 ⇒ 4.2 - 5.9 10 ⁶ /uL	13.2 H ⇒ 4 - 11 10 ³ /uL	19.5
Priya Nair DX-2609-00006				

Figure 5.7 — Batch entry. Use this when the analyser returns a whole run of the same test.

5.6 The test (order line) form

Open a line from the worklist when you need the full page.

Diagnostics

DashboardFront DeskLaboratoryBillingStaffPayrollReportingConfiguration

NewWorklistDX-2609-00001 - Lipid Profile

1 / 1

RejectAmend

ConfirmedCollectedIn ProcessResults EnteredValidated

Lipid Profile

OrderDX-2609-00001

PatientPT-2026-000001 - Fatima Al Noor

Test[LIPID] Lipid Profile

Lab SectionBiochemistry

Sample260918-00003

TechnicianMitchell Admin

Validated byMitchell Admin

Validated DatetimeSep 18, 3:24 PM

Rerun Count0

Is Amended☐

ResultsInterpretation

Parameter	Value	Selected Value	Text Value	Unit	Reference	Flag	Comment	
Lipid Profile / Total Cholesterol	345,435.0000			mmol/L	0 - 5.2	H		

Figure 5.8 — One test on one order, with its result rows.

Header buttons

Button	When	What it does
Receive	Confirmed / Collected	Marks the bench has the work.
Result Sheet	Collected / In Progress / Entered	Opens the matrix.
Submit Results	Collected / In Progress	Sends the line to To Validate. Mandatory parameters must be filled.
Validate	Entered, pathologist	Signs the line.
Reject	Entered / Validated, pathologist	Sends it back.
Amend	Validated, pathologist	Re-opens a released result. Old values stay in the chatter.

Fields

Field	What it means
Name	Test name.
Order / Patient / Product	Read-only.
Lab Section / Sample	Bench and container.
Technician	Who entered.
Validator / Validated on	Who signed and when.
Rerun Count	How many times it was sent back.
Amended	On after Amend.

Results tab columns

Column	What it means
Parameter	Read-only.
Numeric value	For numeric / calculated types.
Selection	For selection types.
Text	For text types.
Unit / Range	From the parameter.
Flag	N / L / H / Critical.
Previous / Delta %	Last visit and change. Delta check.
Comment	Per-parameter note.

Interpretation tab: free-text narrative for culture, histopathology or imaging.

5.7 A single result

New Glucose (fasting): 334545.0

Line	DX-2609-00001 - Fasting Blood Sugar	Unit ?	mmol/L
Parameter	Fasting Blood Sugar / Glucose (fasting)	Reference	3.9 - 5.5
Value	334,545.0000	Flag	Critically High
Selected Value		Previous Value	0.00
Text Value		Delta %	0.00
		Entered By	Mitchell Admin
		Entered Datetime	Sep 18, 3:23 PM

Figure 5.9 — One parameter's result, opened on its own.

Field	What it means
Test line / Parameter	Read-only.
Numeric / Selection / Text	The value. Fill the one that matches the type.
Unit / Range / Flag	Computed.
Previous / Delta %	Last visit.
Entered by / Entered on	Audit.
Comment	Optional note.

5.8 To Validate

Menu: **Diagnostics ► Laboratory ► To Validate.**

Pathologist's inbox. Submitted results land here, critical ones first. Select one or several lines and **Validate**, or open a line and use the header button. Your **report signature** on the employee form is stamped on the PDF.

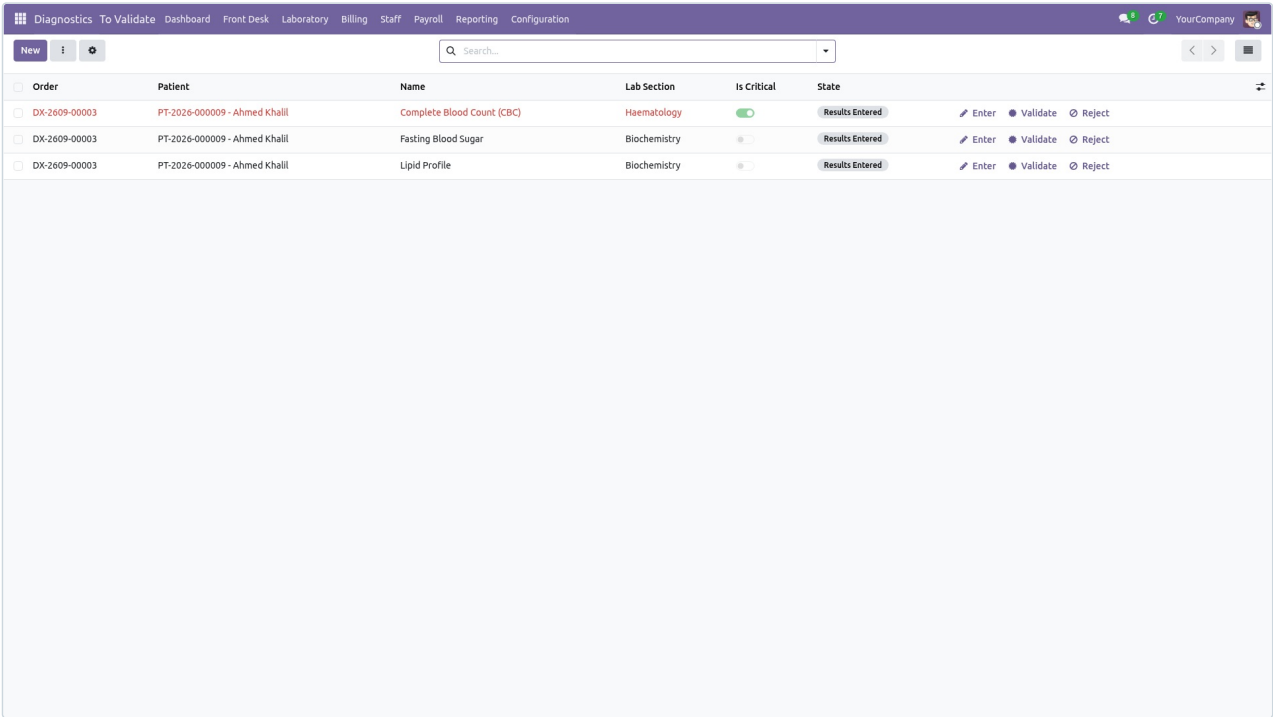


Figure 5.10 — Waiting for a signature.

5.9 Reject results

New

dc.result.reject.wizard,4

1/1

DX-2609-00001 - Lipid Profile

Reason

☒ Value implausible
 ☐ Fails the delta check
 ☐ Quality control out of range
 ☐ Sample problem
 ☐ Other

Note

What the technician should check

Figure 5.11 — Send Back. The technician sees the reason.

Field	What it means
Tests	The selected lines.
Reason	Why it is coming back.
Note	What the technician should check.

5.10 All Samples

Menu: **Diagnostics** ► **Laboratory** ► **All Samples**.

Every container, any stage. Use this to find a barcode, reprint a label or see a rejected tube's recollection.

Diagnostics

All Samples

Dashboard

Front Desk

Laboratory

Billing

Staff

Payroll

Reporting

Configuration

4

7

YourCompany

New

Search...

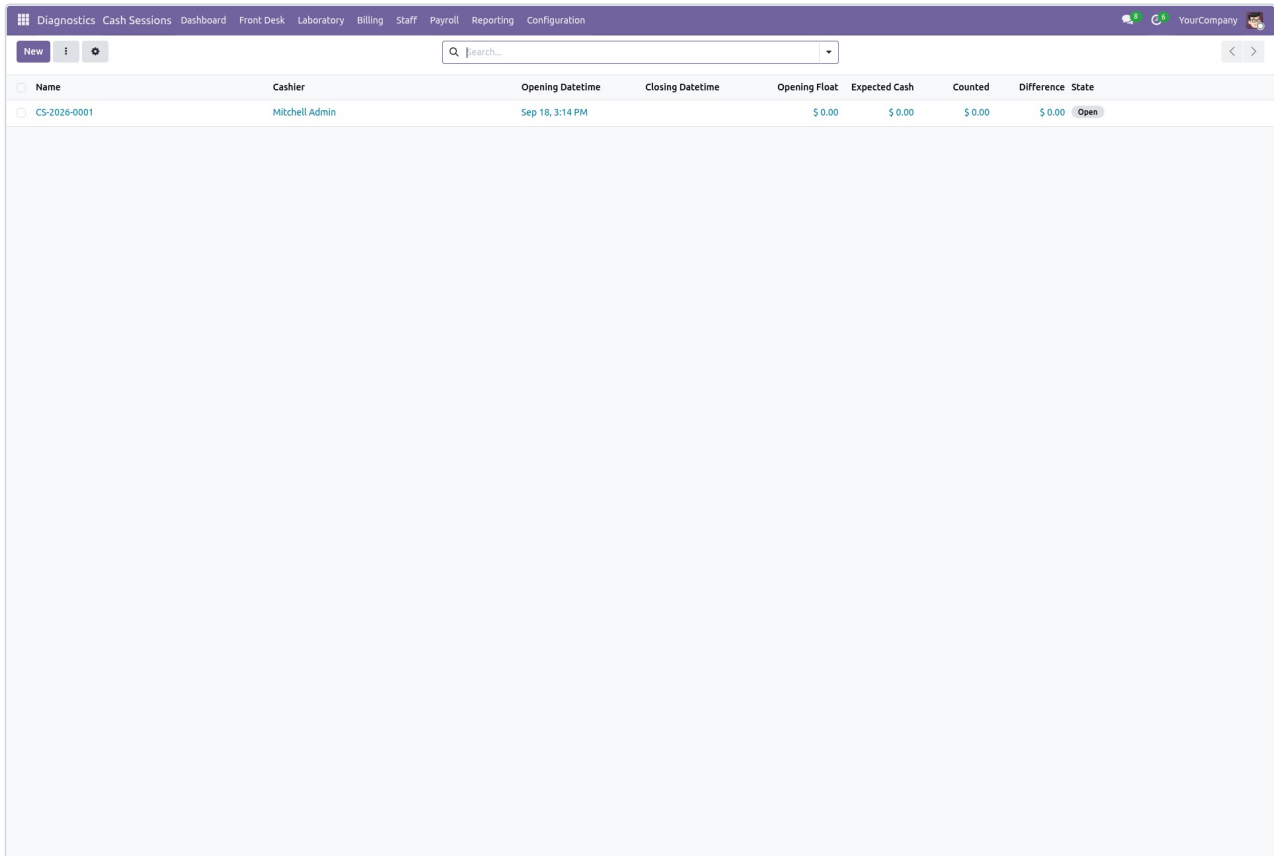
Sample ID	Order	Patient	Container	Lab Section	State	
260919-00014	DX-2609-00006	PT-2026-000012 - Priya Nair	Serum	Biochemistry	Collected	Receive Label
260919-00013	DX-2609-00006	PT-2026-000012 - Priya Nair	Whole Blood (EDTA)	Haematology	Collected	Receive Label
260919-00012	DX-2609-00005	PT-2026-000011 - Yusuf Rahman	No Sample (Imaging)	Imaging	To Collect	Collect Label
260919-00011	DX-2609-00005	PT-2026-000011 - Yusuf Rahman	Serum	Serology & Immunology	To Collect	Collect Label
260919-00010	DX-2609-00005	PT-2026-000011 - Yusuf Rahman	Whole Blood (EDTA)	Haematology	To Collect	Collect Label
260919-00009	DX-2609-00004	PT-2026-000010 - Sara Ahmed	Urine	Microbiology	Received in Lab	Label
260919-00008	DX-2609-00004	PT-2026-000010 - Sara Ahmed	Whole Blood (EDTA)	Haematology	Received in Lab	Label
260919-00007	DX-2609-00003	PT-2026-000009 - Ahmed Khalil	Serum	Biochemistry	Received in Lab	Label
260919-00006	DX-2609-00003	PT-2026-000009 - Ahmed Khalil	Plasma (Fluoride)	Biochemistry	Received in Lab	Label
260919-00005	DX-2609-00003	PT-2026-000009 - Ahmed Khalil	Whole Blood (EDTA)	Haematology	Received in Lab	Label
260918-00004	DX-2609-00001	PT-2026-000001 - Fatima Al Noor	Urine	Microbiology	Received in Lab	Label
260918-00003	DX-2609-00001	PT-2026-000001 - Fatima Al Noor	Serum	Biochemistry	Received in Lab	Label
260918-00002	DX-2609-00001	PT-2026-000001 - Fatima Al Noor	Plasma (Fluoride)	Biochemistry	Received in Lab	Label
260918-00001	DX-2609-00001	PT-2026-000001 - Fatima Al Noor	Whole Blood (EDTA)	Haematology	Received in Lab	Label

Chapter 6. Billing (Cashier)

6.1 Cash sessions

Menu: **Diagnostics** ► **Billing** ► **Cash Sessions**.

Open a session when you sit down at the till. Close it when you count the drawer.



Name	Cashier	Opening Datetime	Closing Datetime	Opening Float	Expected Cash	Counted	Difference	State
CS-2026-0001	Mitchell Admin	Sep 18, 3:14 PM		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	Open

Figure 6.1 — Cash sessions. Open ones are highlighted.

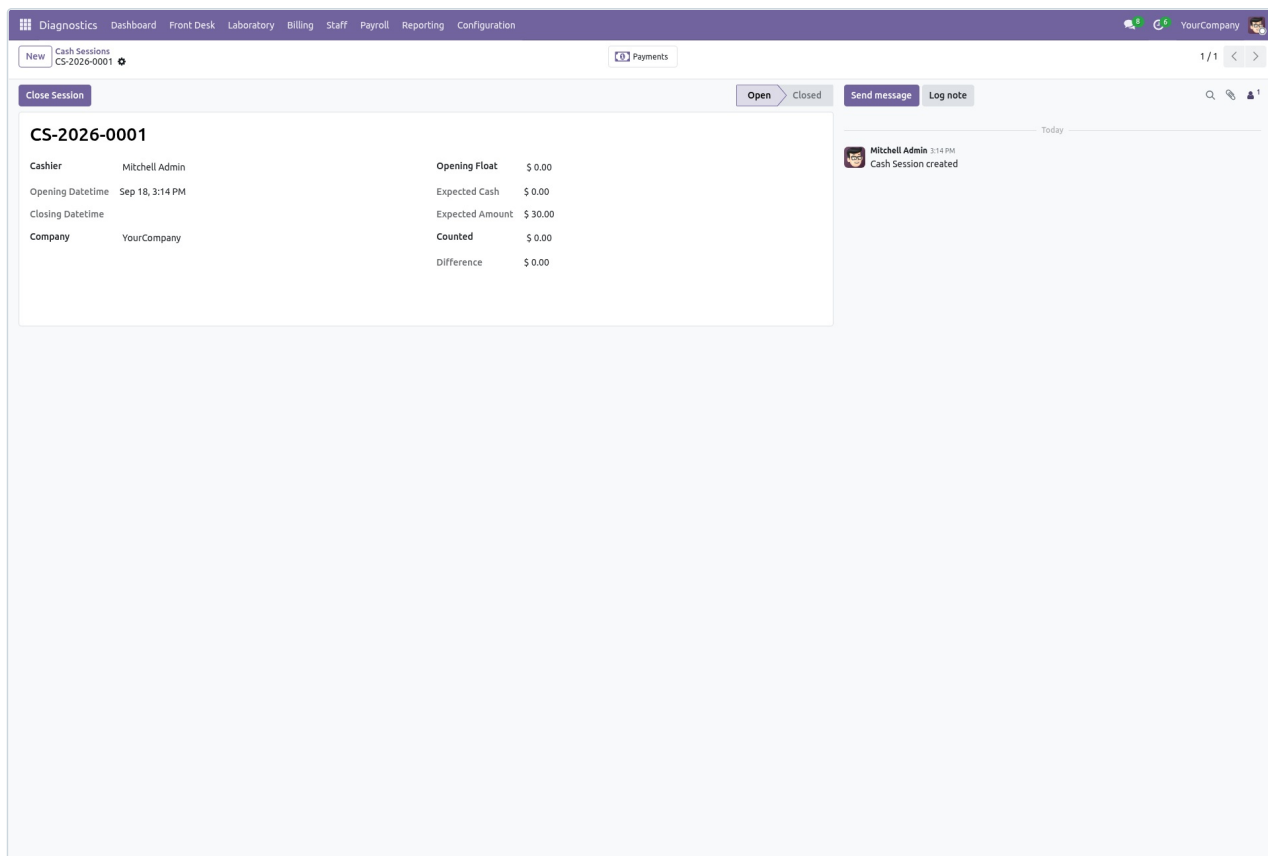


Figure 6.2 — One till session.

Field	What it means
Number	Automatic.
User	Who owns this till. A cashier sees only their own.
Opened on / Closed on	Timestamps.
Opening Amount	Float in the drawer at the start.
Cash Expected	Opening plus cash payments taken.
Expected Amount	All payments (cash and not).
Counted Amount	What you counted at close.
Difference	Counted minus expected. Red if not zero.
Note	Explain a difference.
Payments smart button	The payments taken in this session.

Click **Close Session**.

New dc.cash.session.close.wizard,9 1/1

Opening Float \$ 0.00
Expected Cash \$ 0.00

Counted Amount \$ 0.00
Difference \$ 0.00

Note Explain any difference

Figure 6.3 — Count the drawer and close.

Field	What it means
Opening Amount / Cash Expected	Read-only reminder.
Counted Amount	What is actually in the drawer. Required.
Difference	Computed.
Note	Required in practice if the difference is not zero.

6.2 Invoices

Menu: **Diagnostics** ► **Billing** ► **Invoices**.

These are ordinary Odoo customer invoices that belong to a diagnostic order. You rarely create them by hand — **Bill & Pay** does it.

</

Figure 6.4 — Invoices posted from diagnostic orders.

Diagnostics
Dashboard
Front Desk
Laboratory
Billing
Staff
Payroll
Reporting
Configuration

New

Diagnostic Invoices

INV/2026/00010

Payments

1

1 / 1

<

>

Send

Print

Pay

Preview

Credit Note

Reset to Draft

Draft

Posted

Send message

Log note

Activity

Customer Invoice

INV/2026/00010

Customer

Fatima Al Noor

Invoice Date

Sep 18

Due Date

Sep 18

Invoice Lines

Other Info

Label	Price	Taxes	Amount
Complete Blood Count (CBC)	12.00	15%	\$ 12.00
Fasting Blood Sugar	6.00	15%	\$ 6.00
Lipid Profile	18.00	15%	\$ 18.00
Urine Routine Examination	8.00	15%	\$ 8.00

Terms and Conditions

Untaxed Amount:

\$ 44.00

Tax 15%:

\$ 6.60

Total:

\$ 50.60

Paid on 09/18/2026

\$ 30.00

Amount Due:

\$ 20.60

Today

Mitchell Admin

3:14 PM

Invoice Created

Figure 6.5 — Standard Odoo invoice, linked back to the order.

Use this screen to register a later payment on a partially paid order, to credit a bill, or to reprint the invoice.

Chapter 7. Staff

Menu: **Diagnostics** ► **Staff**.

7.1 Diagnostic Staff

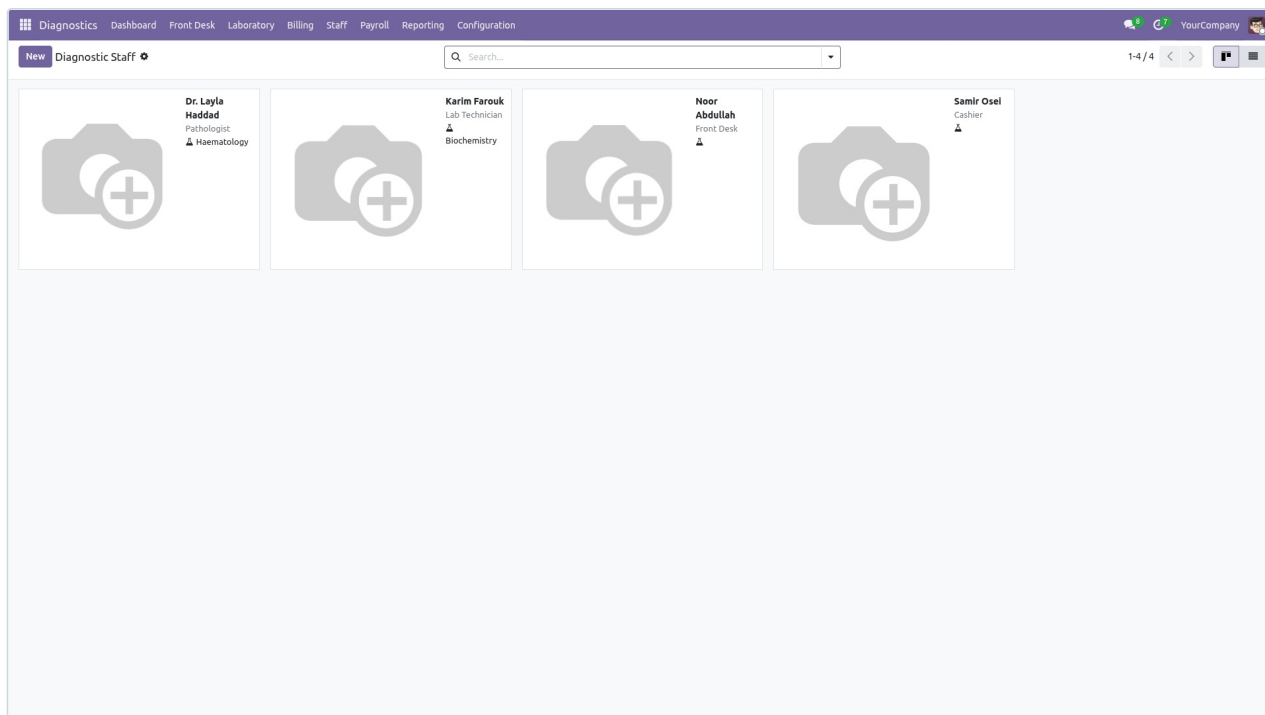


Figure 7.1 — Diagnostic staff as cards. Expired licences show a red badge.

Open a card. The ordinary employee fields (name, work phone, work email, department, related user) are Odoo's. The module adds a **Diagnostic Centre** tab.

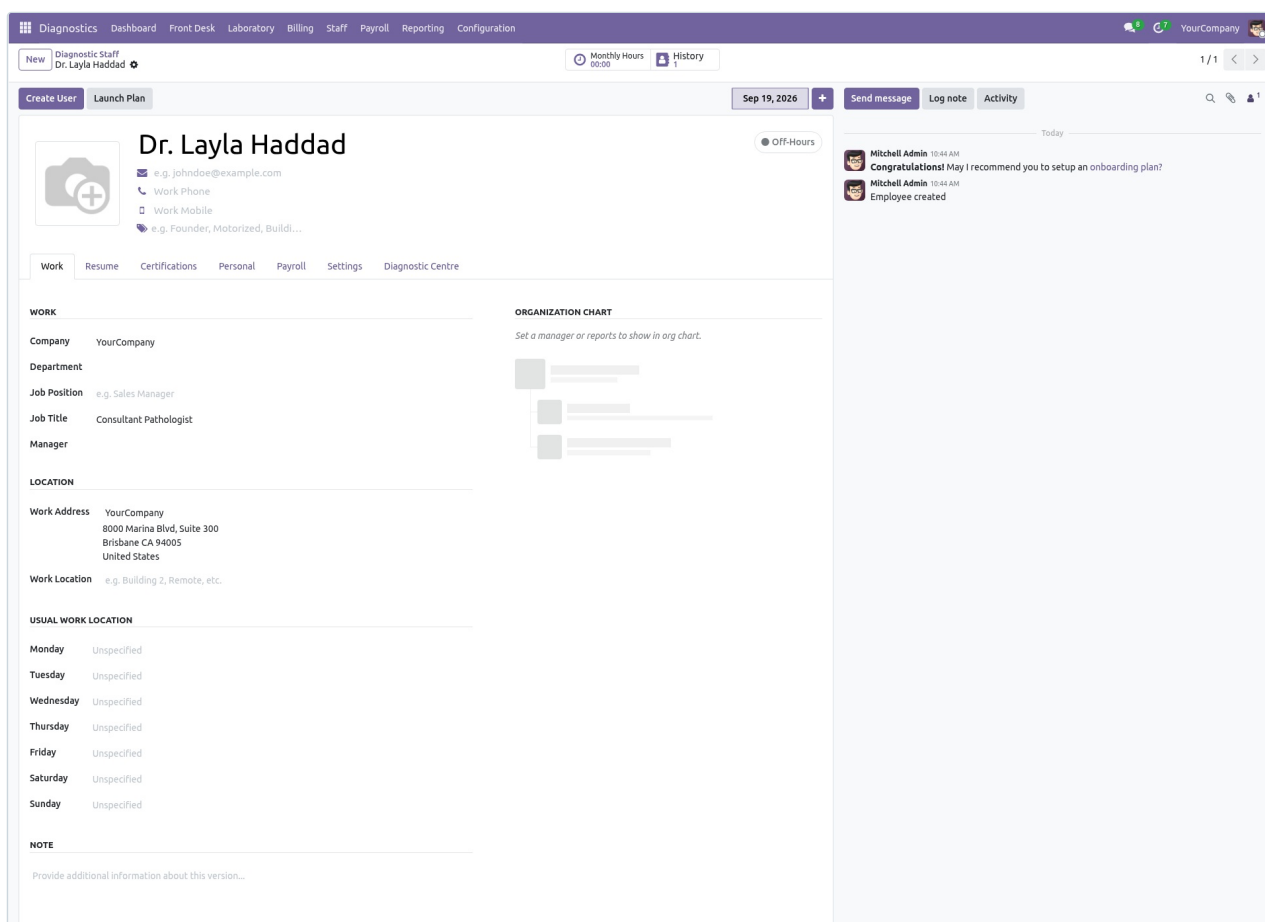


Figure 7.2 — Open the

Diagnostic Centre tab, then tick *Diagnostic Staff* to reveal role, bench, licence and report signature.

Field	What to put in it
Diagnostic Staff	Tick this. Unticked employees do not appear here or on payroll.
Role	Phlebotomist, Technician or Pathologist.
Lab Section	Their usual bench.
Licence Number / Licence Expiry	Professional licence.
Licence Expired	Read-only warning when the date has passed.
Report Signature	Image used on the PDF when this person validates.
Collected / Entered / Validated	Running counts. Read-only.

Filters: Phlebotomists, Technicians, Pathologists, Licence Expired, No Odoo User.

7.2 Attendance

Menu: **Diagnostics ► Staff ► Attendance.**

Attendance itself is Odoo's (kiosk or **Check In / Check Out**). This screen only shows diagnostic staff and adds late / overtime.

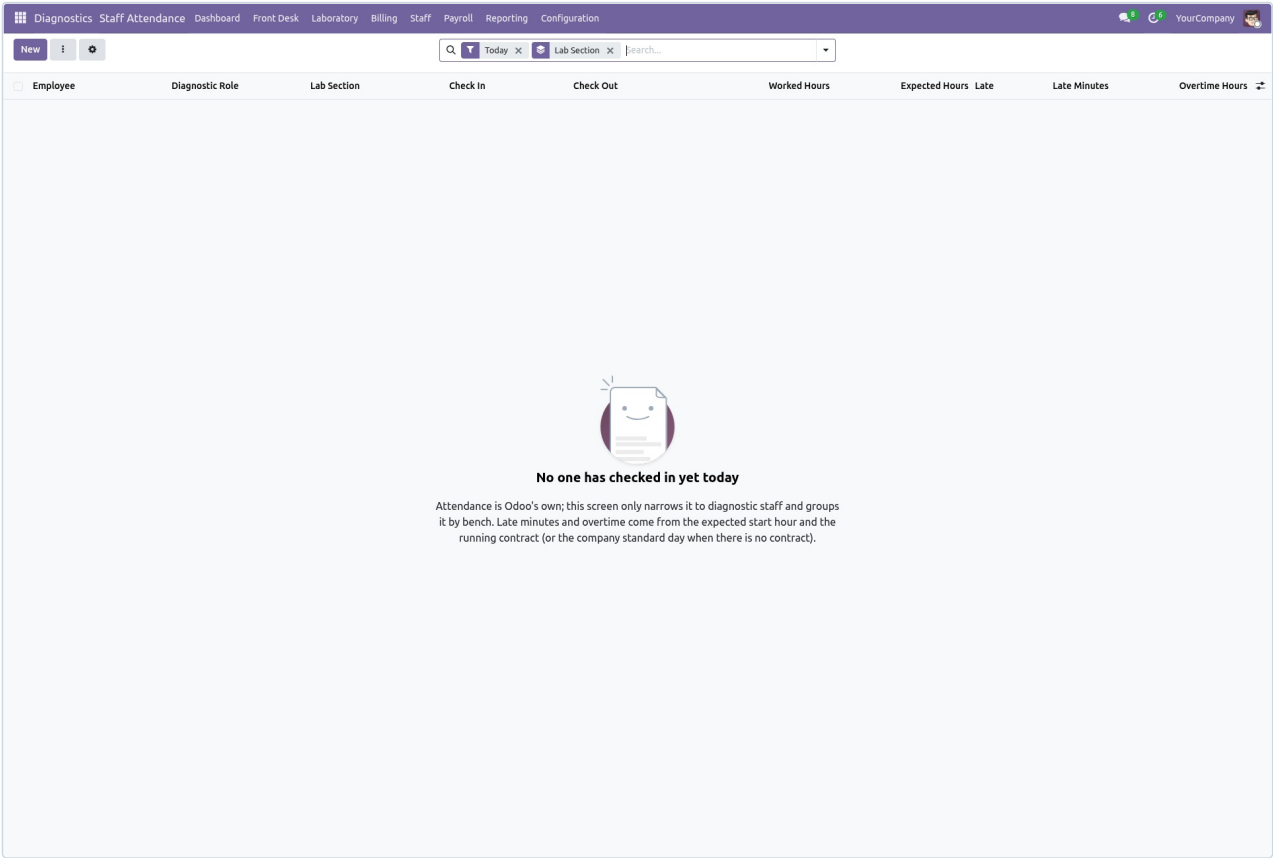


Figure 7.3 — Today's attendance, grouped by bench. Open (not checked-out) rows block payroll until they are closed.

Column	What it means
Employee	Who.
Role / Lab Section	From the employee.
Check In / Check Out	Times.
Worked Hours	Check-out minus check-in (less lunch if a calendar is set).
Expected Hours	From the running contract, or company standard hours / day.
Late	Ticked if check-in is after Expected Check-in + Late Grace.
Late (minutes)	How many minutes late.
Overtime Hours	Worked minus expected, not below zero.

Filters: Currently In, Late, Overtime, Today.

Chapter 8. Payroll

Payslips are generated from attendance. An open (unchecked-out) attendance blocks generation and verification until it is closed.

8.1 Contracts

Menu: **Diagnostics** ► **Payroll** ► **Contracts**.

Every diagnostic staff member who should be paid needs a **running** contract.

Diagnostics Contracts Dashboard Front Desk Laboratory Billing Staff Payroll Reporting Configuration							
New							
Q Running X Search...							
Name	Employee	Role	Lab Section	Date Start	Date End	Wage	State
REF0001	David Smith	Front Desk	Laboratory	Sep 24	Aug 11	\$ 21,575.00	Expired
REF0002	Henry Campbell	Phlebotomist	Venous room	Oct 19	Aug 29	\$ 14,000.00	Expired
REF0003	Thomas Pascal	Pathologist	Venous room	Aug 19	Sep 22	\$ 42,721.00	New
REF0004	Carrie Helle	Front Desk	Venous room	Aug 8	Aug 24	\$ 67,803.00	New
REF0005	Thomas Pascal	Pathologist	Integer value	Oct 1	Sep 6	\$ 55,075.00	New
REF0006	David Smith	Phlebotomist	Integer value	Aug 19	Sep 9	\$ 23,895.00	Running
REF0007	Carrie Helle	Pathologist	Venous room	Oct 6	Sep 23	\$ 36,324.00	New
REF0008	Henry Campbell	Pathologist	Integer value	Nov 1	Aug 13	\$ 54,176.00	Running
REF0009	John Miller	Diagnostic Manager	Integer value	Jul 30	Oct 19	\$ 7,646.00	Running
REF0010	Henry Campbell	Other	Laboratory	Sep 11	Aug 9	\$ 49,759.00	Expired
						\$ 455,539.00	
 Create new document							

Figure 8.1 — Staff contracts. The list opens on Running by default.

New

New Contract

Start Contract

Cancel

New

Running

Expired

Send message

Log note

Activity

New Contract

Employee

Role

Department

Lab Section

Job Title

Structure

Date Start

Date End

Trial Period End

Company

Sep 18

YourCompany

Diagnostic Staff Structure

SALARY			
Wage	\$ 0.00	Working Days Per Month	26.00
Hourly Rate	\$ 0.00	Working Hours Per Day	8.00
Overtime Rate Multiplier	1.50	Allowance Total	\$ 0.00

Allowances

Notes

Name	Amount	Is Taxable
Add a line		

Mitchell Admin

11:46 PM

Creating a new record...

Figure 8.2 — One contract.

Header buttons: **Start Contract** (Draft → Open), **Expire**, **Cancel**.

Field	What to put in it
Name	e.g. Sara Ahmed – 2026 .
Employee	Must be diagnostic staff.
Role / Department / Lab Section / Job Title	Copied / informational.
Salary Structure	Which rules to apply. Required for a computed payslip.
Start Date / End Date	End Date empty means open-ended.
Trial End	Optional.
Wage	Monthly basic.
Hourly Rate	Used by overtime rules.
Overtime Rate Multiplier	e.g. 1.5 for time-and-a-half.
Working Days / Month	Used to turn a monthly wage into a daily rate.
Working Hours / Day	Expected hours; overtime is worked minus this.
Allowances tab	Named extra amounts, each Taxable or not.
Notes	Free text.

8.2 Generate payslips

Menu: **Diagnostics ► Payroll ► Generate Payslips.**

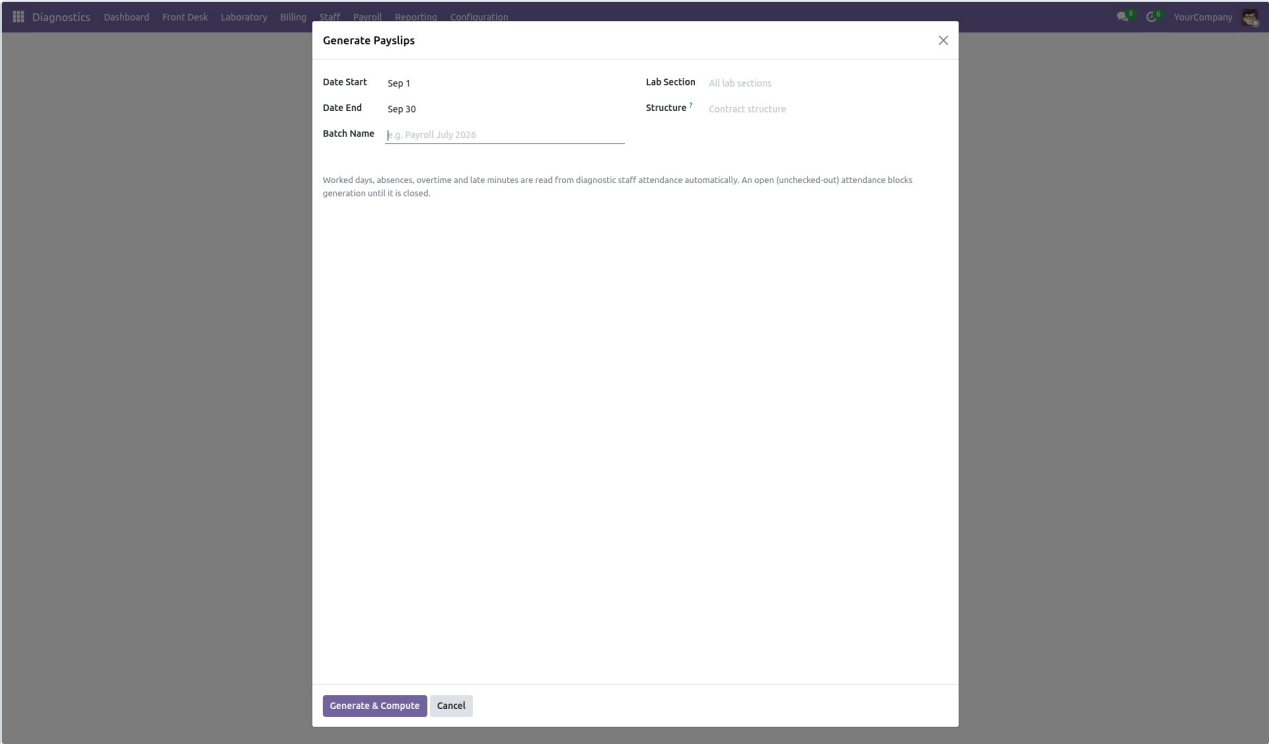


Figure 8.3 — Pick a period, optionally a bench, then Generate & Compute.

Field	What it means
Start Date / End Date	The pay period.
Batch Name	e.g. Payroll July 2026 .
Lab Section	Empty = all benches.
Salary Structure	Empty = each contract's own structure.
Employees	Leave empty for everyone with a running contract in range.

Worked days, absences, overtime and late minutes are read from attendance. **Absence** = weekdays in the period minus unique attendance dates.

Click **Generate & Compute**. A **Payslip Batch** is created with one payslip per employee, already computed.

8.3 Payslip batches

Menu: **Diagnostics ► Payroll ► Payslip Batches.**

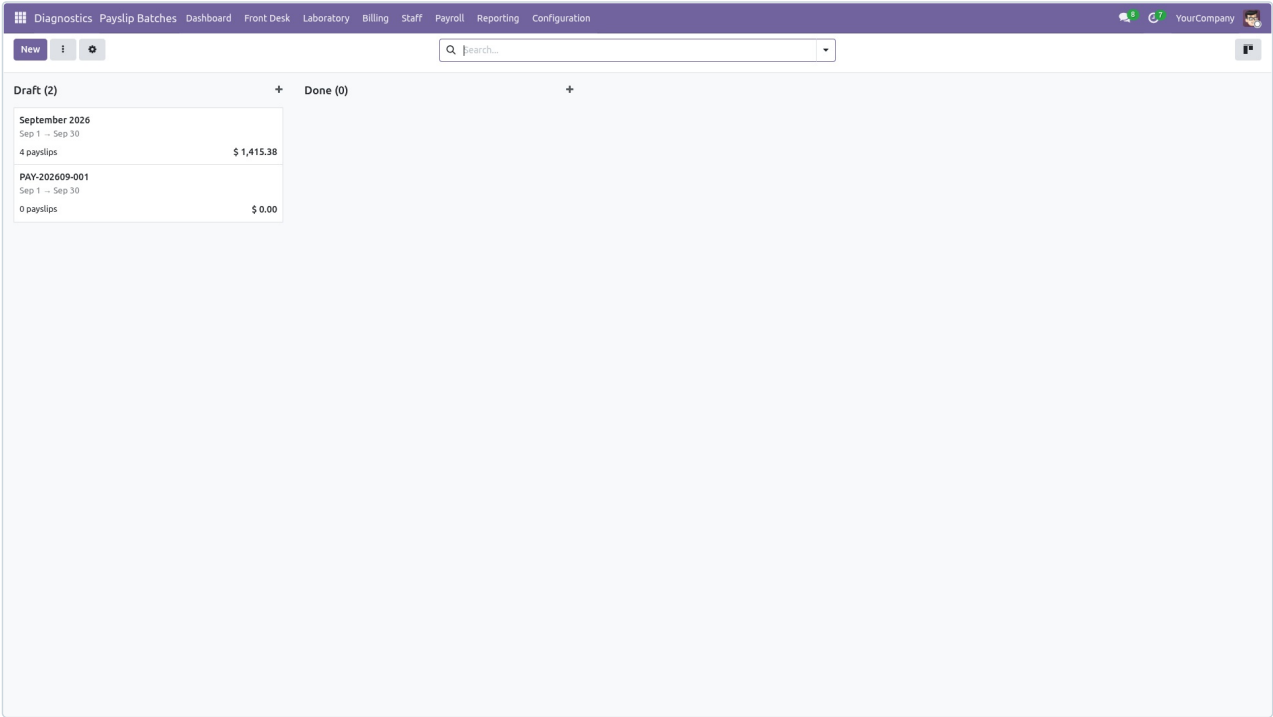


Figure 8.4 — Batches as cards.

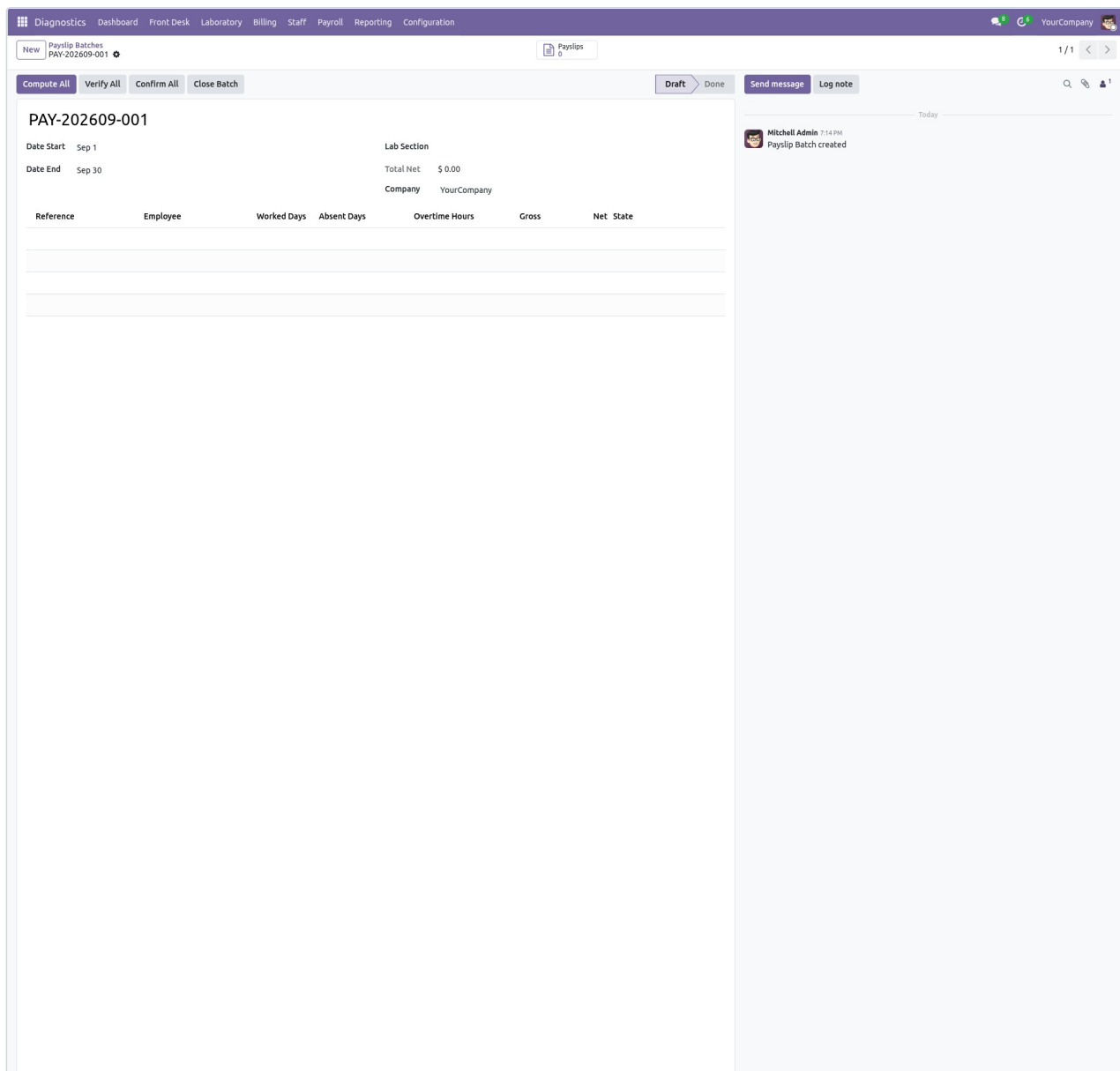


Figure 8.5 — One batch and every slip in it.

Button	What it does
Compute All	Recomputes every draft slip.
Verify All	Recomputes, then marks Verified. Fails if anyone is still checked in.
Confirm All	Confirms every slip (and posts journal entries if Settings say so).
Close Batch	Locks the batch.
Reopen	Brings a closed batch back.

Field	What it means
Name / Start / End	The period.
Lab Section	Optional filter used at generation.
Total Net	Sum of nets.
Slips list	Name, employee, worked / absent / OT, gross, net, state.

8.4 Payslips

Menu: **Diagnostics ► Payroll ► Payslips.**

Diagnostics Dashboard Front Desk Laboratory Billing Staff Payroll Reporting Configuration										YourCompany	
New	Payslips	Search...								1-4 / 4	
Reference	Employee	Role	Lab Section	Date From	Date To	Absent Days	Overtime Hours	Gross	Total Deduction	Net	State
☐ SLIP-2026-00004	 Samir Osei	Cashier		Sep 1	Sep 30	22.00	00:00	\$ 1,500.00	\$ 1,269.23	\$ 230.77	Verified
☐ SLIP-2026-00003	 Noor Abdullah	Front Desk		Sep 1	Sep 30	22.00	00:00	\$ 1,400.00	\$ 1,184.62	\$ 215.38	Draft
☐ SLIP-2026-00002	 Karim Farouk	Lab Technician	Biochemistry	Sep 1	Sep 30	22.00	00:00	\$ 2,100.00	\$ 1,776.92	\$ 323.08	Draft
☐ SLIP-2026-00001	 Dr. Layla Haddad	Pathologist	Haematology	Sep 1	Sep 30	22.00	00:00	\$ 4,200.00	\$ 3,553.85	\$ 646.15	Verified
								\$ 9,200.00	\$ 7,784.62	\$ 1,415.38	

Figure 8.6 — Individual payslips.

Diagnostics

Dashboard

Front Desk

Laboratory

Billing

Staff

Payroll

Reporting

Configuration

YourCompany

New

Payslips

SLIP-2026-00001

Compute Sheet

Confirm

Print

Cancel

Verified

Send message

Log note

Activity

1 / 1

<

>

SLIP-2026-00001

Dr. Layla Haddad

Period

Sep 1

- Sep 30

Contract

New Contract

Structure

Diagnostic Staff Structure

Batch

September 2026

Role

Pathologist

Lab Section

Haematology

Worked Days

0.00

Expected Days

22.00

Absent Days

22.00

Overtime Hours

00:00

Late Minutes

0.00

Computation

Attendance

Notes

Code	Name	Category	Quantity	Rate	Total
BASIC	Basic Salary	Basic	1.00	100.00	\$ 4,200.00
GROSS	Gross Salary	Gross	1.00	100.00	\$ 4,200.00
ABS	Absence Deduction	Deduction	1.00	100.00	\$ -3,553.85
NET	Net Salary	Net	1.00	100.00	\$ 646.15

Gross:

\$ 4,200.00

Total Deduction:

\$ 3,553.85

Net:

\$ 646.15

Today

Mitchell Admin

10:44 AM

Draft → Verified (State)

Mitchell Admin

10:44 AM

Verified with no attendance in the period (22 expected working days).

Mitchell Admin

10:44 AM

Payslip created

Figure 8.7 — One payslip. Verify recomputes from attendance before you confirm.

Header buttons

Button	When	What it does
Compute Sheet	Draft / Verified	Recalculates the lines.
Verify	Draft	Recomputes and marks Verified. Blocked by open attendances.
Confirm	Draft / Verified	Locks the slip (Done). May post a journal entry.
Mark as Paid	Done	Records that the employee was paid.
Print	Always	PDF payslip.
Cancel / Reset to Draft	As labelled	Undo.

Field	What it means
Employee	Editable only in Draft.
Period	From / to.
Contract / Structure	Which rules ran.
Batch	Set if generated in a batch.
Role / Lab Section	Informational.
Worked Days	Unique attendance dates in the period.
Expected Days	Weekdays in the period.
Absent Days	Expected minus worked.
Overtime Hours	Sum of attendance overtime.
Late Minutes	Sum of late minutes.
Gross / Deductions / Net	From the computed lines.

Computation tab: each salary rule's code, name, category, quantity, rate and total.

Attendance tab: the attendance rows that fed the slip.

NewNew

Compute SheetVerifyConfirmPrintCancel

DraftVerifiedDonePaid

Send messageLog noteActivity

New

PeriodSep 1- Sep 30

Contract

Structure

Batch

Role

Lab Section

Worked Days0.00

Expected Days0.00

Absent Days0.00

Overtime Hours00:00

Late Minutes0.00

ComputationAttendanceNotes

DateCheck InCheck OutWorked HoursExpected HoursOvertime HoursLate Minutes

Today

Mitchell Admin 11:56 PM
Creating a new record...

Accounting tab: the journal entry, when posting is enabled. **Notes:** free text.

8.5 Salary structures, rules and categories

Menu: **Diagnostics** ▶ **Payroll** ▶ **Salary Structures.**

DiagnosticsSalary StructuresDashboardFront DeskLaboratoryBillingStaffPayrollReportingConfiguration

New ⓘ ⚙️

Q search... ▾

< >

Name	Code	Parent Structure	Rule Co...
☐ Diagnostic Staff Structure	DC_STD		6

Figure 8.9 — Structures. A Diagnostic Staff structure ships with the module.

Diagnostics
Dashboard
Front Desk
Laboratory
Billing
Staff
Payroll
Reporting
Configuration

YourCompany

New
Salary Structures
Diagnostic Staff Structure
1 / 1

Diagnostic Staff Structure

CodeDC_STD

Journal

Parent Structure ?

Company

Name	Code	Category	Amount Select	
Basic Salary	BASIC	Basic	Python Code	
Allowances	ALW	Allowance	Python Code	
Overtime	OT	Allowance	Python Code	
Gross Salary	GROSS	Gross	Python Code	
Absence Deduction	ABS	Deduction	Python Code	
Net Salary	NET	Net	Python Code	
Add a line				

Basic + allowances + attendance overtime - absence deduction.

Figure 8.10 — A structure and the rules it runs, in sequence.

Field	What it means
Name / Code	e.g. Diagnostic Staff / DC_STAFF .
Parent	Optional: inherit another structure's rules.
Journal	Optional override of the company payroll journal.
Rules	The ordered list of rules.
Note	Description.

Menu: **Diagnostics ► Payroll ► Salary Rules.**

Diagnostics Salary Rules Dashboard Front Desk Laboratory Billing Staff Payroll Reporting Configuration						
New ⓘ ⚙️						
🔍 Search...						
☐	Name	Code	Category	Structure	Condition Select	Amount Select
☐	Basic Salary	BASIC	Basic	Diagnostic Staff Structure	Always True	Python Code
☐	Allowances	ALW	Allowance	Diagnostic Staff Structure	Python Expression	Python Code
☐	Overtime	OT	Allowance	Diagnostic Staff Structure	Python Expression	Python Code
☐	Gross Salary	GROSS	Gross	Diagnostic Staff Structure	Always True	Python Code
☐	Absence Deduction	ABS	Deduction	Diagnostic Staff Structure	Python Expression	Python Code
☐	Net Salary	NET	Net	Diagnostic Staff Structure	Always True	Python Code

Figure 8.11 — Rules. Drag to change sequence.

Diagnostics Dashboard Front Desk Laboratory Billing Staff Payroll Reporting Configuration				YourCompany	
New	Salary Rules	Net Salary	1/1		

Net Salary

Code ?

NET

Category

Net

Structure

Diagnostic Staff Structure

Sequence

200

Appears On Payslip

☒

Active

☒

Condition

Amount

Accounting

Notes

Condition Select

☒ Always True
 ☐ Range
 ☐ Python Expression

Figure 8.12 — One rule: when it runs, how the amount is computed, which accounts to post.

Field	What it means
Name / Code	Basic Salary / BASIC . Codes are used as rules.BASIC in other formulas.
Category	Basic, Allowance, Gross, Deduction, Net, ...
Structure	Which structure this rule belongs to.
Sequence	Lower numbers run first. Gross must run before Net.
Appears on Payslip	Off: computed but not printed.
Active	Untick to retire a rule without deleting it.
Condition	Always, Range, or Python. Range uses a field between min and max.
Amount	Fixed, Percentage of a base, or Python code.
Debit Account / Credit Account	Used when payslip journal entries are posted.
Notes	Free text.

Python amount names you may use: `payslip`, `contract` (`wage`, `hourly_rate`, `overtime_rate_multiplier`, `working_days_per_month`, `working_hours_per_day`, `allowance_total`), `employee`, `worked_days` (`worked_days`, `absent_days`, `overtime_hours`, `late_minutes`), `categories.CODE`, `rules.CODE`.

Menu: **Diagnostics** ► **Payroll** ► **Rule Categories**.

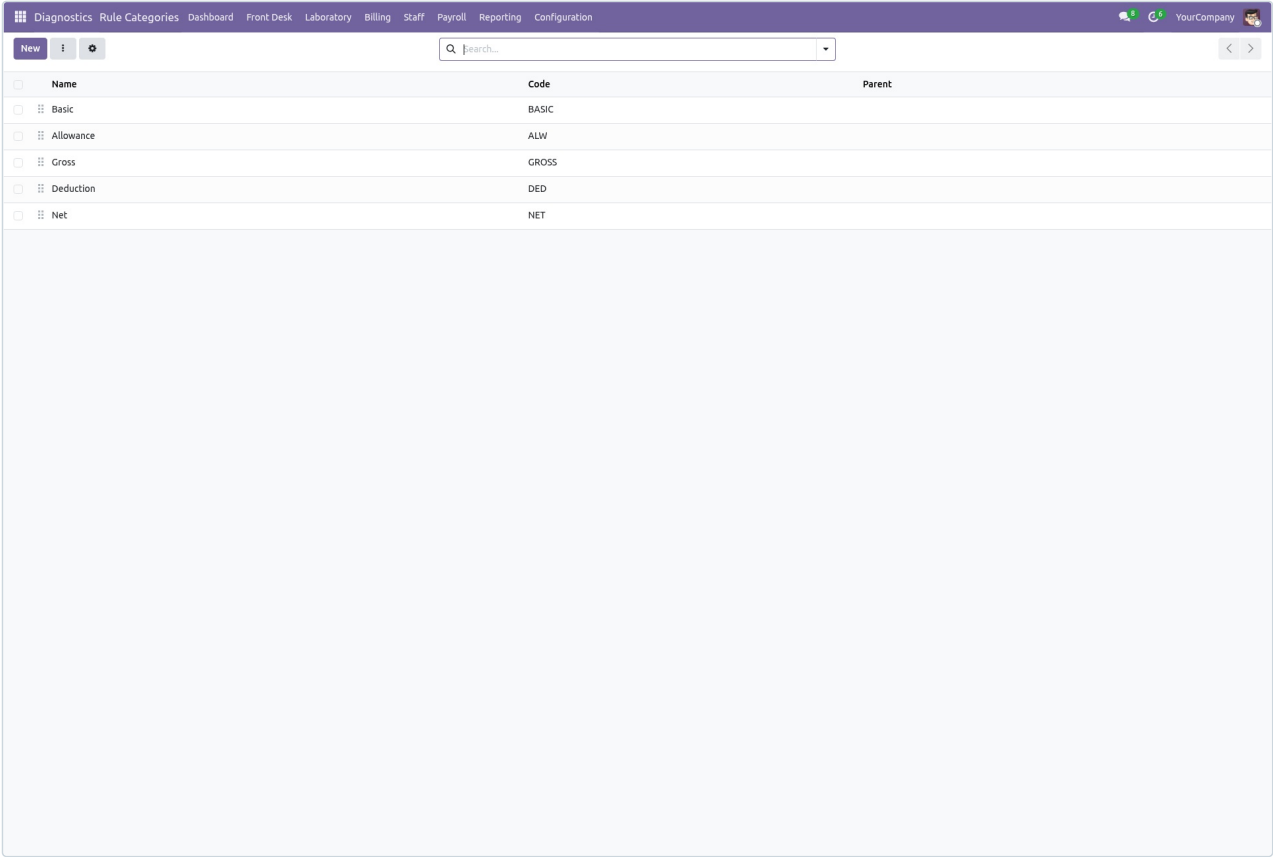


Figure 8.13 — Categories (Basic, Gross, Deduction, Net, ...). Leave these alone unless you are designing a new structure.

Chapter 9. Dashboard and reports

Menu: **Diagnostics** ► **Dashboard**.

Everyone with a diagnostic role can open the dashboard. Tabs you have no role for are hidden.

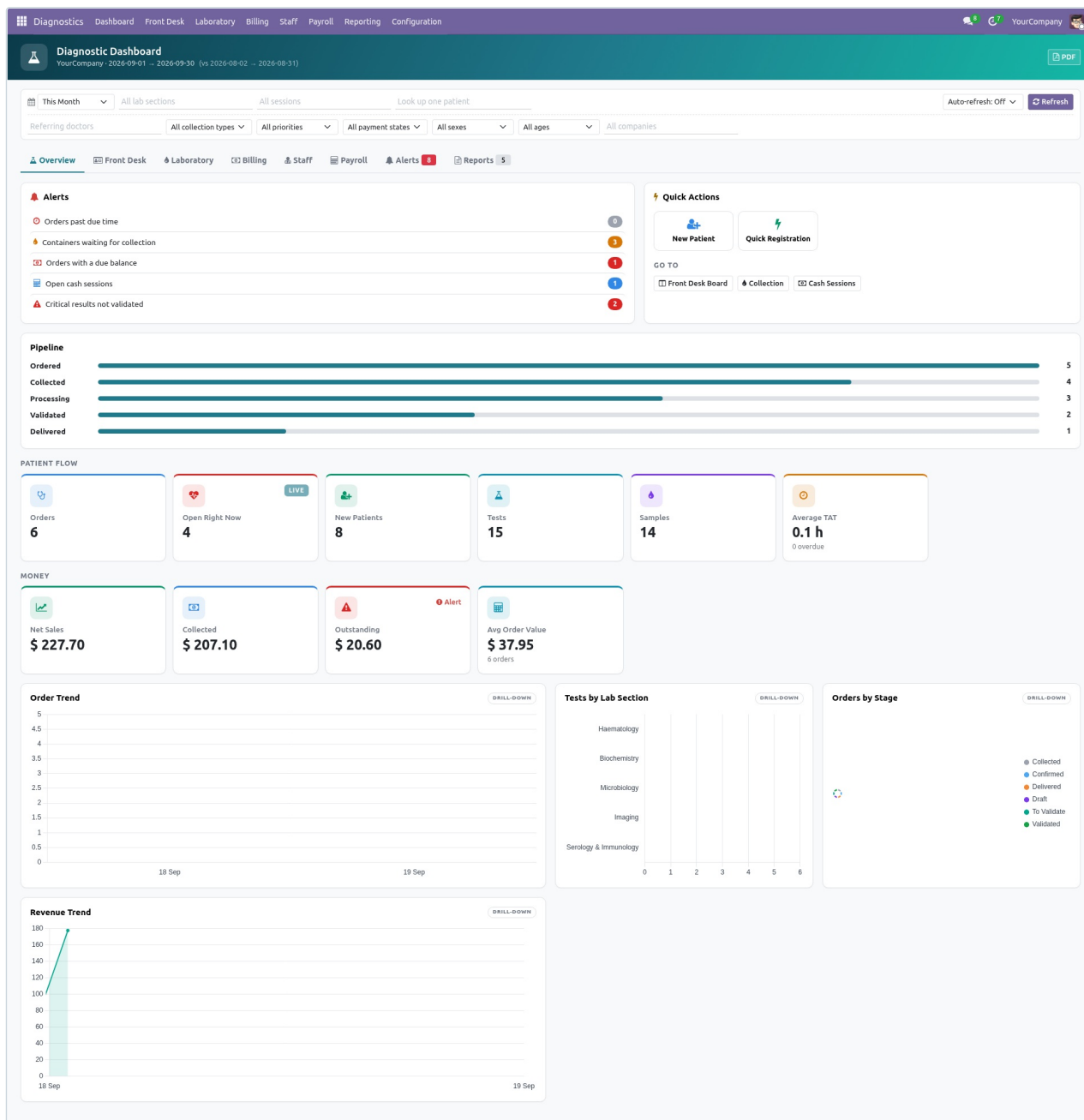


Figure 9.1 — Overview: KPIs, pipeline, charts, alerts and quick actions.

The **filter bar** at the top sets the date range, comparison period and company. **PDF** prints the current tab. **AI Agent** opens the chat panel described in Chapter 10.

Tab	What you see
Overview	Orders, revenue, TAT, pipeline from Draft to Delivered.
Front Desk	Registrations, unpaid orders, overdue reports.
Laboratory	Collection backlog, worklist, to-validate, critical values.
Billing	Collection, due balances, cash sessions.
Staff	Who is in, late, licence expiry.
Payroll	Draft / verified / paid slips, overtime, absences.
Alerts	Everything that needs a person right now.
Reports	The report centre: every analysis and printed report your role may open.

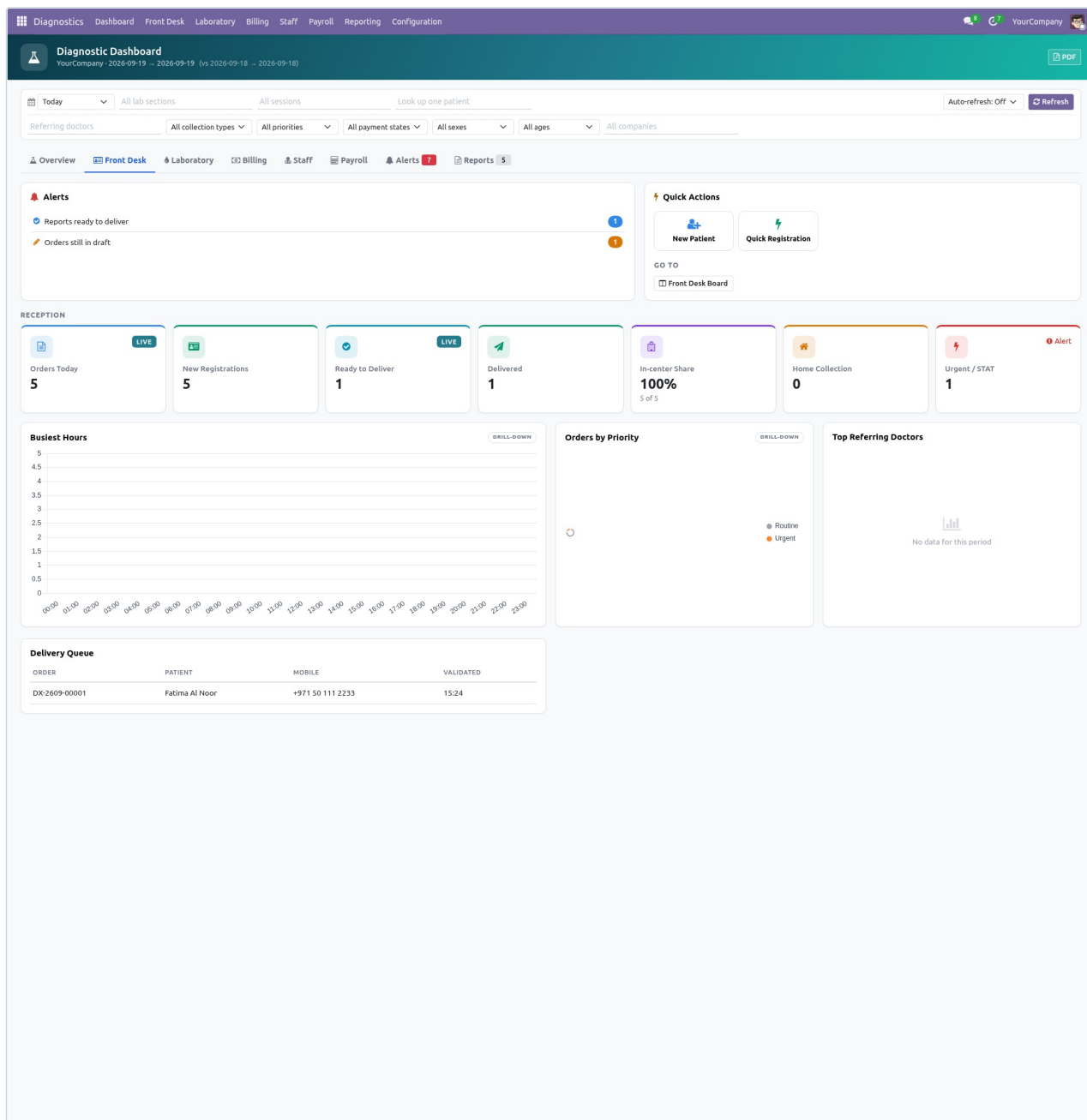


Figure 9.2 — Front Desk tab.

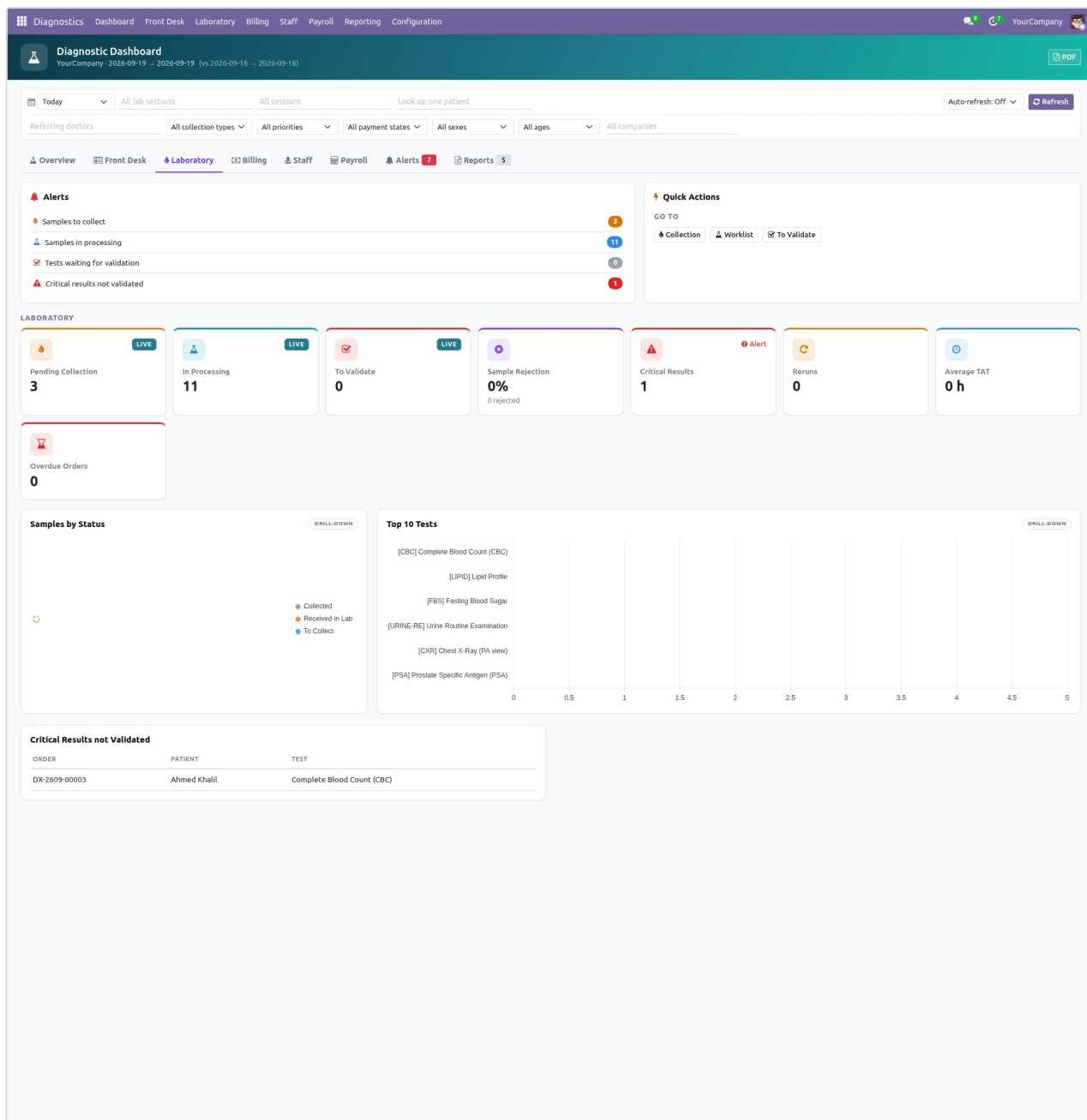


Figure 9.3 — Laboratory tab.

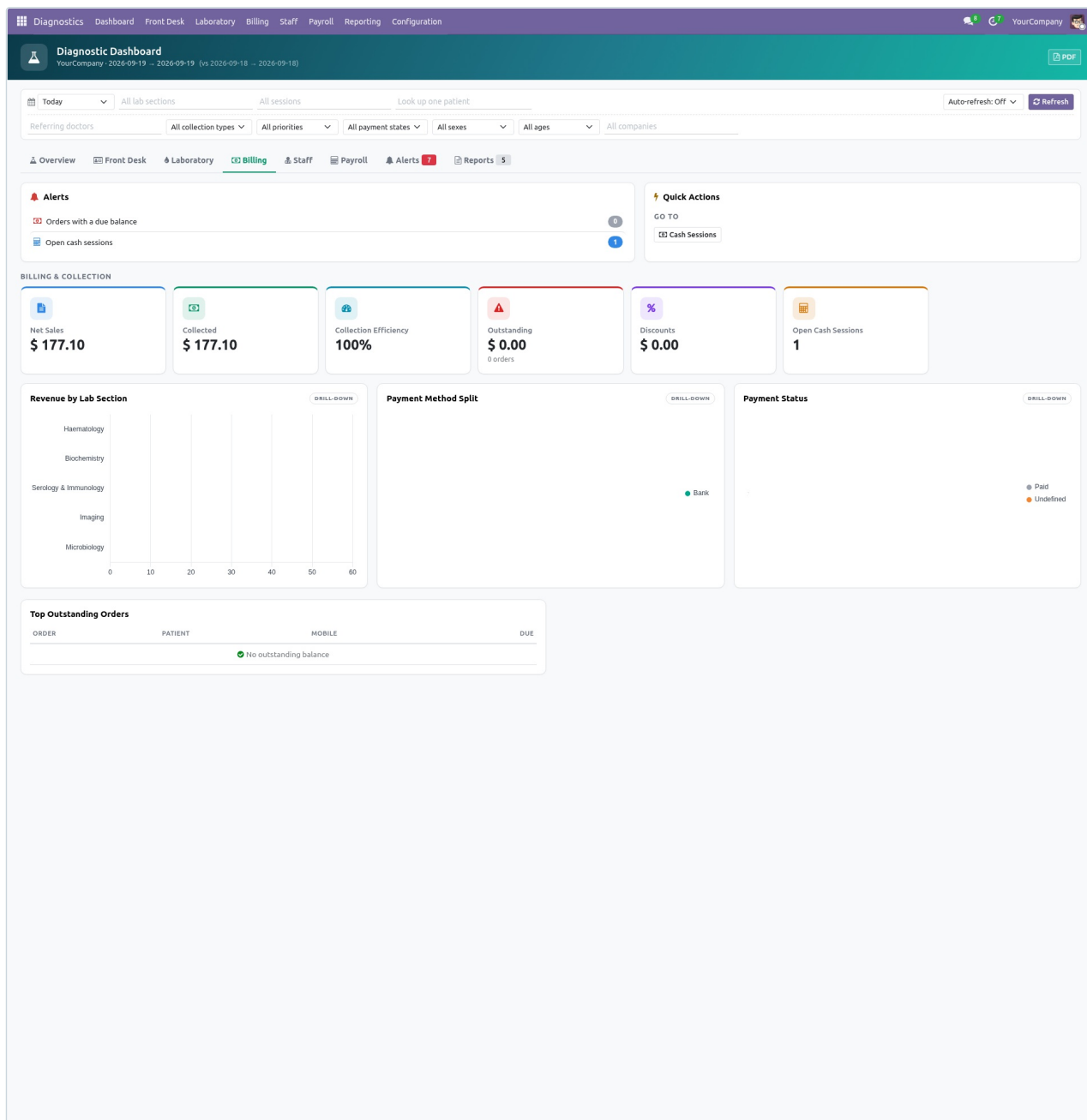


Figure 9.4 — Billing tab.

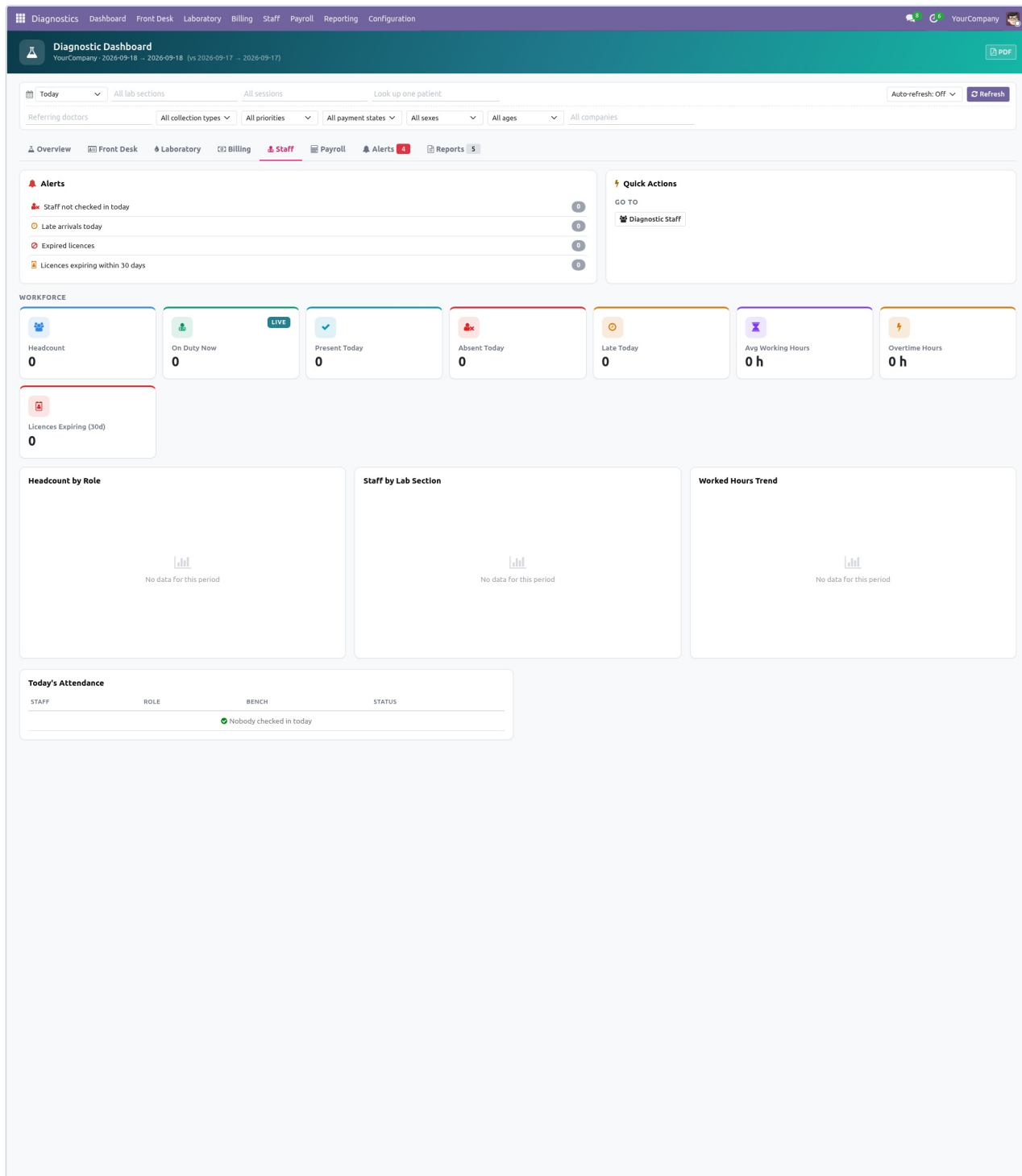


Figure 9.5 — Staff tab.

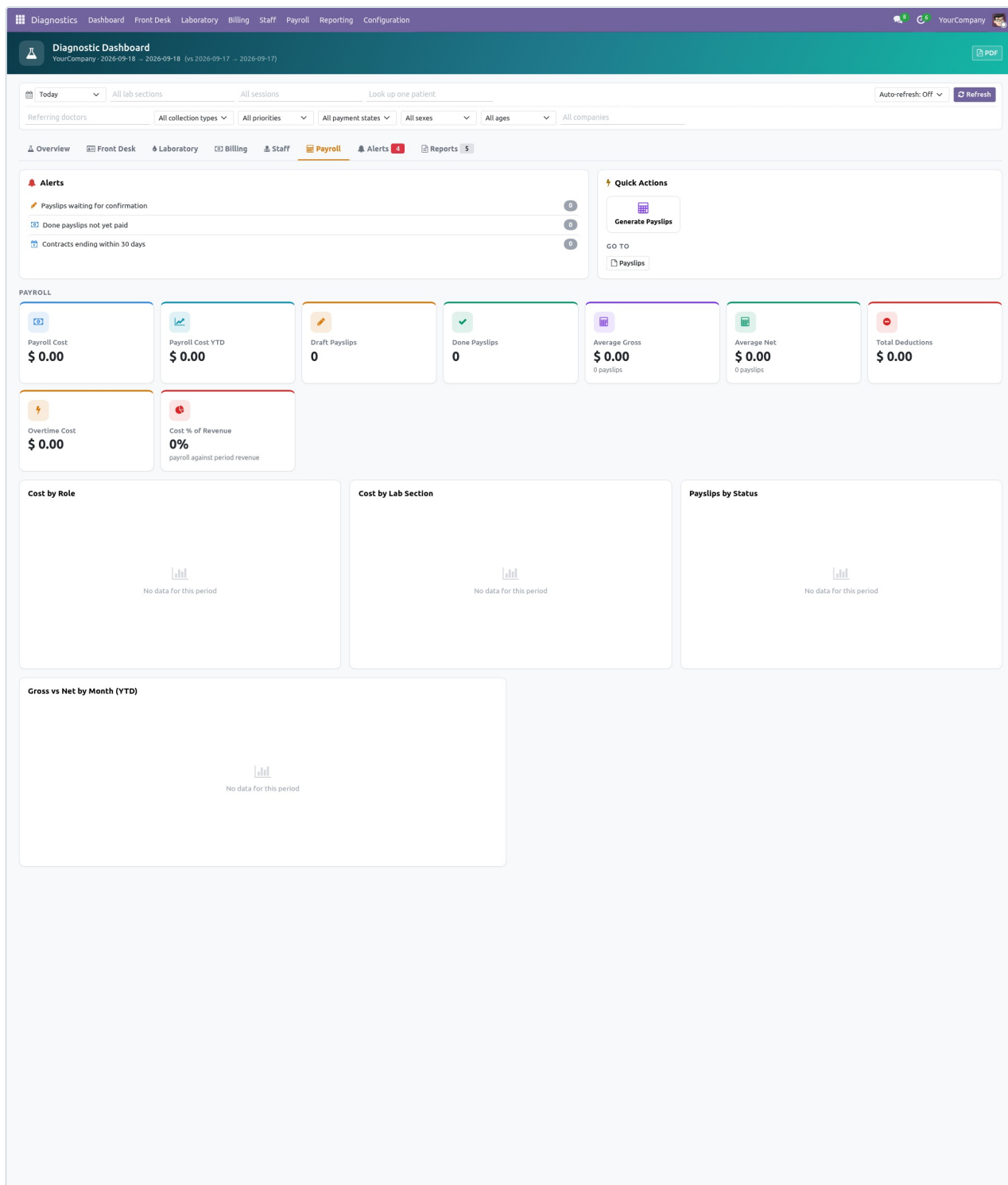


Figure 9.6 — Payroll tab.

Diagnostics
Dashboard
Front Desk
Laboratory
Billing
Staff
Payroll
Reporting
Configuration

YourCompany

Diagnostic Dashboard
YourCompany - 2026-09-19 - 2026-09-19 (vs 2026-09-18 - 2026-09-18)

PDF

Today
All lab sections
All sessions
Look up one patient:

Autorefresh: Off
Refresh

Referring doctors
All collection types
All priorities
All payment states
All sexes
All ages
All companies

Overview
Front Desk
Laboratory
Billing
Staff
Payroll
Alerts 7
Reports 5

Alerts

	Critical results not validated	1
	Containers waiting for collection	3
	Orders still in draft	1
	Samples to collect	3
	Open cash sessions	1
	Reports ready to deliver	1
	Samples in processing	11
	Orders past due time	0
	Orders with a due balance	0
	Tests waiting for validation	0
	Staff not checked in today	0
	Expired licences	0
	Late arrivals today	0
	Licences expiring within 30 days	0
	Payslips waiting for confirmation	0
	Done payslips not yet paid	0
	Contracts ending within 30 days	0

Quick Actions

New Patient

Quick Registration

Generate Payslips

GO TO

Front Desk Board

Collection

Worklist

To Validate

Cash Sessions

Diagnostic Staff

Payslips

WHAT NEEDS ATTENTION

Critical Items
1

Warnings
7

Notices
13

All Clear Checks
10

Figure 9.7 — Alerts. Click a row to open the record.

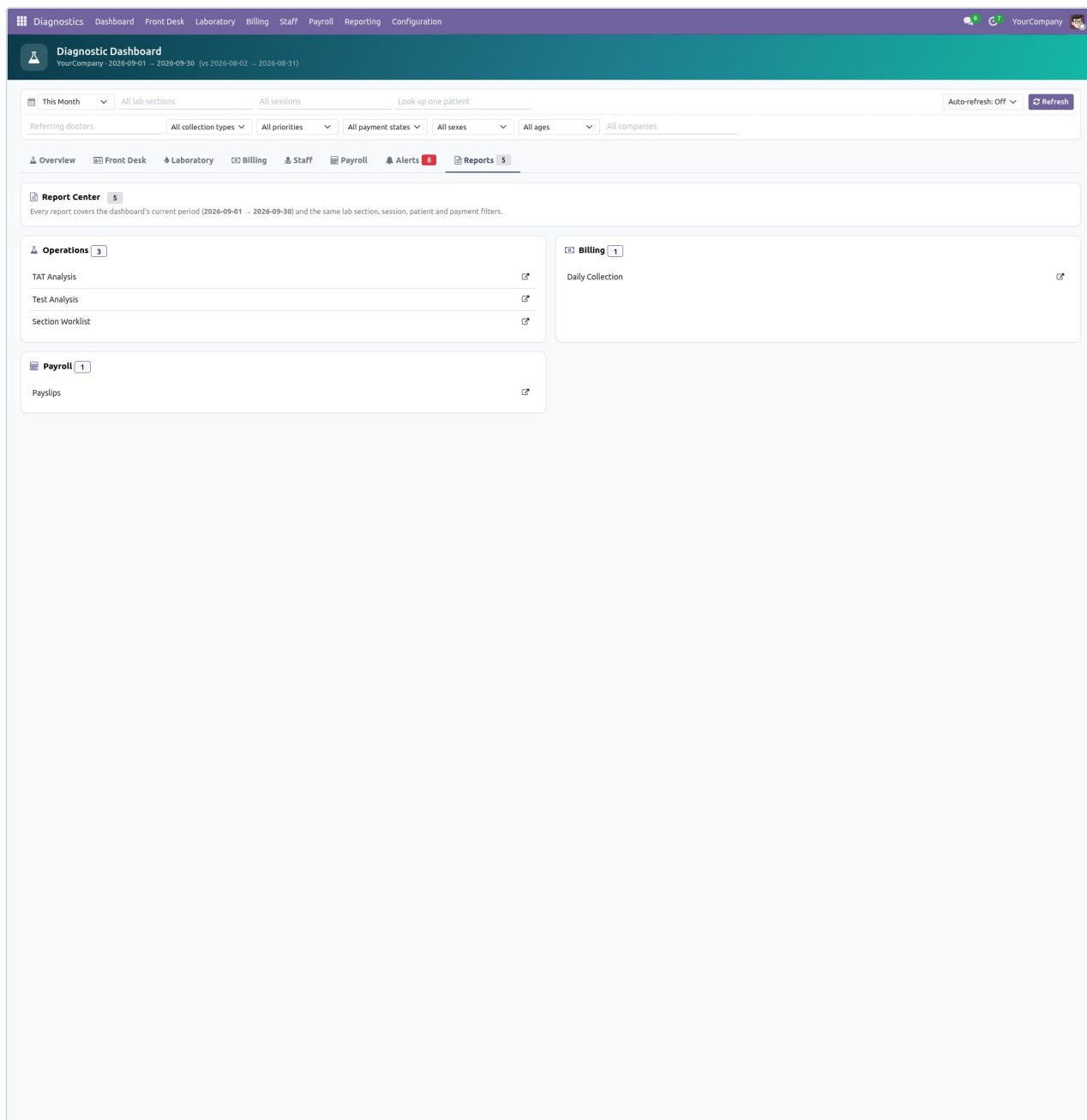


Figure 9.8 — Report centre.

TAT Analysis

Menu: **Diagnostics** ► **Reporting** ► **TAT Analysis**.

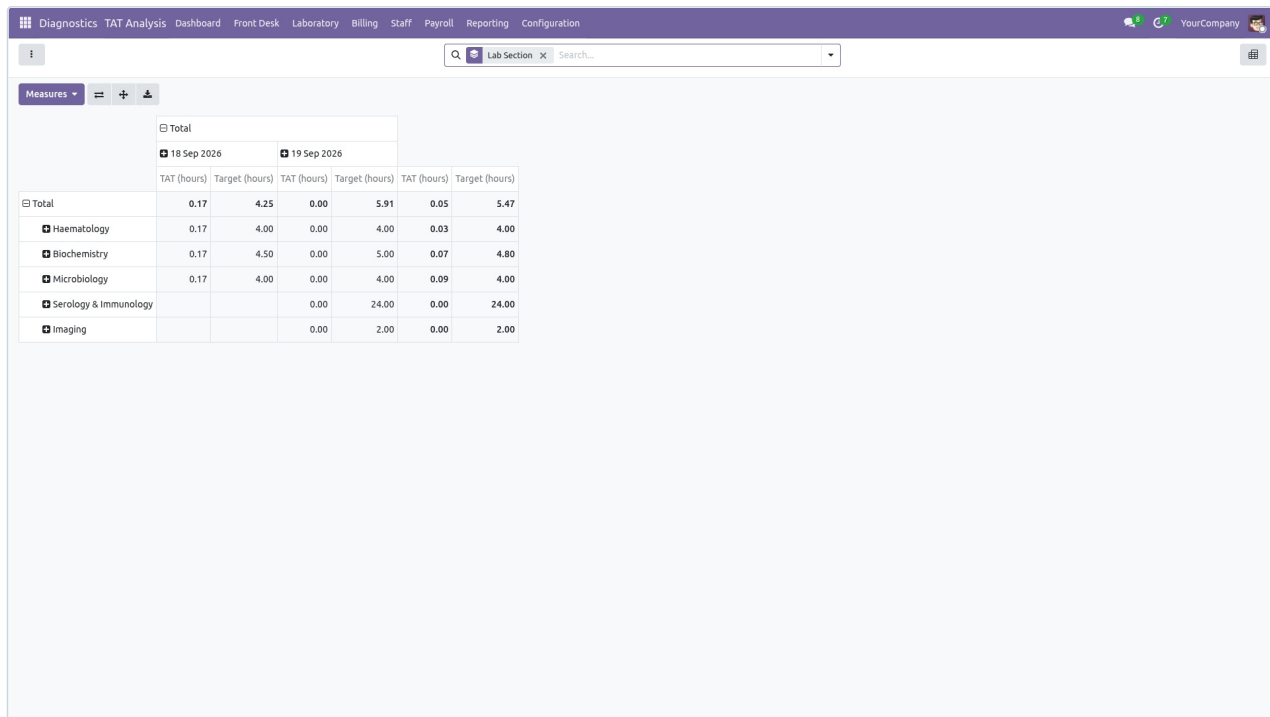


Figure 9.9 — Turnaround versus target, by bench and day.

Column (list)	What it means
Order / Date / Patient / Test / Section / Priority	Who and what.
TAT (hours)	Actual.
Target (hours)	From the test / section.
Within Target / Late	Computed.
Reruns	How many times the line was sent back.

Test Analysis

Menu: **Diagnostics ► Reporting ► Test Analysis.**

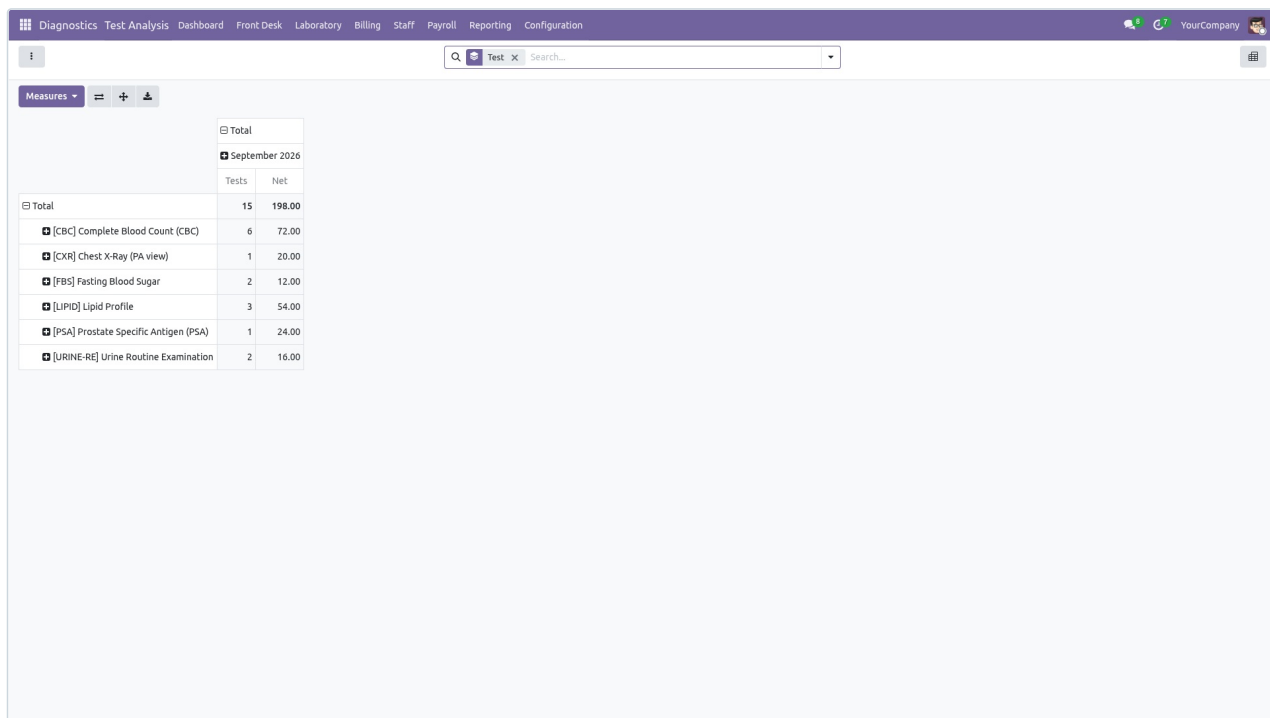


Figure 9.10 — Volume and revenue by test.

Column (list)	What it means
Order / Date / Patient / Test / Section / Referring Doctor	Who and what.
Tests	Count.
Discount / Net / Total	Money.

The other analyses

All six open the same way: **Diagnostics ► Reporting ► ...**, or from the dashboard's **Reports** tab. Each opens as a pivot you can pull apart, a graph, and a plain list. Use **Measures** to change what is counted and the group-by filters to change how it is sliced.

Report	Menu	The question it answers
Result Analysis	Reporting ► Result Analysis	How many results came back Normal, High, Low or Critical — per test, parameter, bench, or patient sex. Use it to spot a parameter whose reference range is set wrong: a test that flags 90% abnormal usually has a bad range, not 90% sick patients.
Sample Analysis	Reporting ► Sample Analysis	Rejection rate by sample type and reason, and Collection to Lab (min) — how long samples sit before they reach the bench.
Patient Analysis	Reporting ► Patient Analysis	Who your patients are: sex, age band, nationality, referring doctor. Visits and Lifetime Value roll up every non-cancelled order, and Returning marks anyone who has come more than once.
Receivables	Reporting ► Receivables	What is still owed, aged into 0-7 / 8-30 / 31-60 / over-60 day buckets. One row per order with a balance.
Report Delivery Analysis	Reporting ► Report Delivery Analysis	Counter versus e-mail versus portal, how long after the order the report went out, and the reprint share. A channel with many reprints is usually one that is not working.
Payroll Analysis	Reporting ► Payroll Analysis	What payroll cost, broken down by rule, category, role, bench or batch — rather than one payslip at a time.

A note on Receivables. It only lists orders that still have a balance, so an empty list is good news, not a broken report.

Printed reports

Menu: **Diagnostics ► Reporting ► Printed Reports.**

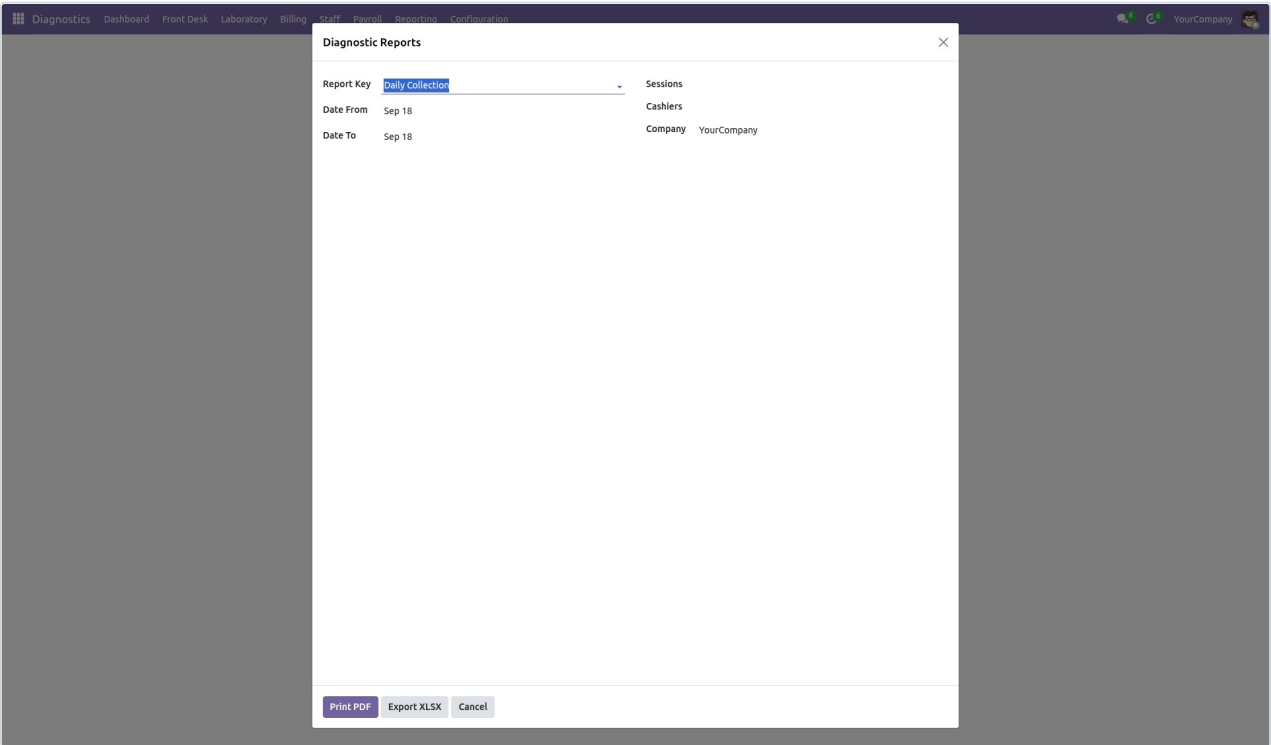


Figure 9.11 — Pick a report, a date range, then Print PDF or Export XLSX.

Field	What it means
Report	Daily collection, worklist, or the other printable summaries.
Date From / Date To	Inclusive.
Sessions / Users	Only for daily collection.
Lab Sections	Only for worklist.

Report deliveries

Menu: **Diagnostics ► Reporting ► Report Deliveries.**

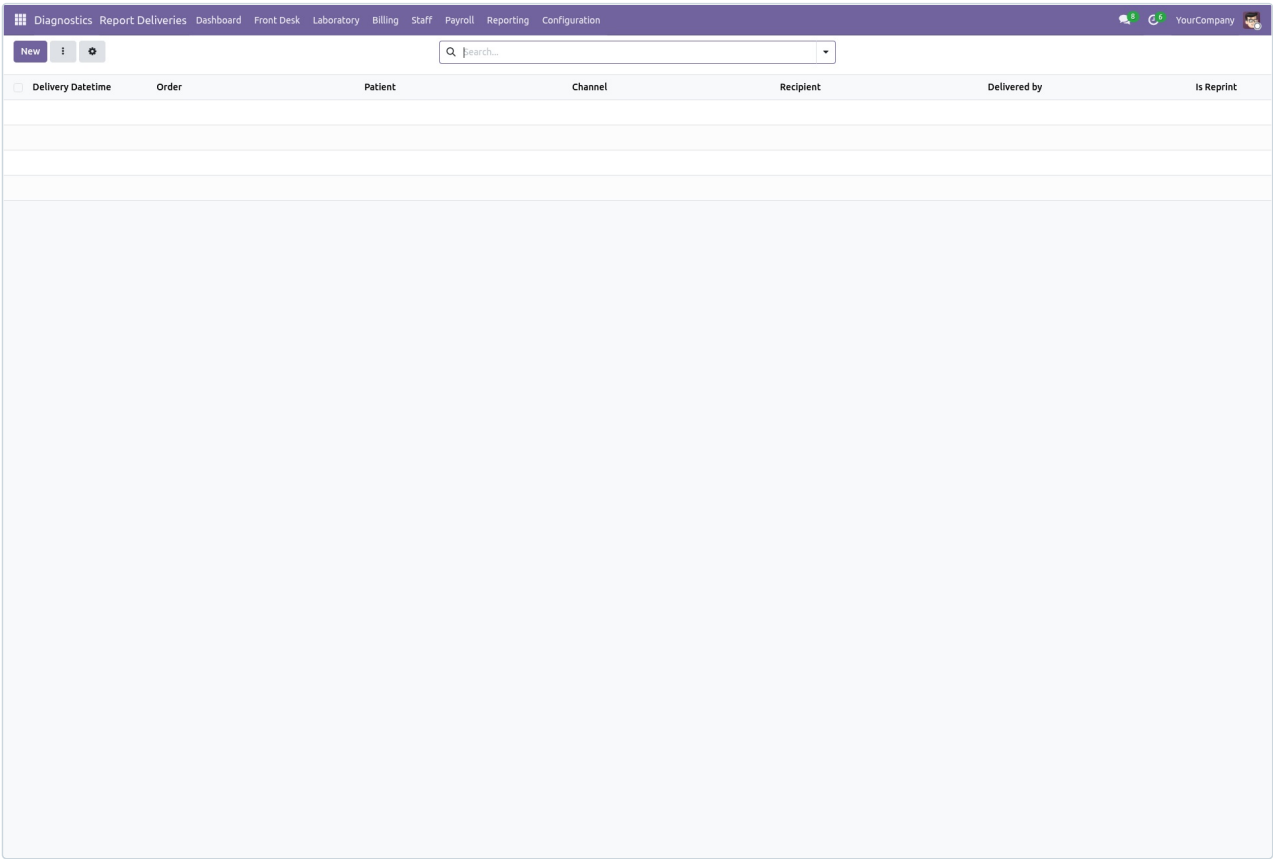


Figure 9.12 — Every print, e-mail and portal link, including reprints.

Column	What it means
Date	When it was handed over.
Order / Patient	Which report.
Channel	Print / Email / Portal.
Recipient	Who received it.
User	Who clicked Deliver.
Reprint	Ticked on a second or later copy.

The signed lab report PDF itself is printed from the validated order (**Print ► Lab Report**). It includes a QR code the patient (or another lab) can scan to verify the copy.

Chapter 10. AI assistance

Everything in this chapter is **optional**. Until a manager sets a default AI provider (Chapter 3, Step 8), the AI buttons are simply inert and every other part of the module behaves exactly as the rest of this manual describes.

10.1 The rule that governs all of it

The AI in this module **suggests and explains. It never decides.**

- It never enters a result, never validates one, never changes a price, and never adds a test to an order on its own — a person

always clicks.

- Nothing it writes is printed on a patient's report unless a human ticks a box to put it there.
- It is not a diagnosis and not medical advice. Every screen that shows AI text says so, and you should treat it the way you would treat a helpful colleague's opinion: worth reading, never the final word.

What is and is not sent. Only what a feature needs leaves your server: figures, test names, parameter names, values and flags. Patient names, addresses, phone numbers and ID numbers are deliberately left out of every prompt. The dashboard agent, for example, is given the same numbers the tab is already showing you and nothing else — not the patient tables underneath them.

10.2 The dashboard AI Agent

Menu: **Diagnostics ► Dashboard**, then the **AI Agent** button in the header.

The panel opens down the right-hand side and stays there while you move between tabs. Type a question, press **Enter**.

You ask	What happens
"What needs attention today?"	It answers from the alerts and figures on screen.
"How many samples were rejected this week?"	It finds those figures even if you are standing on another tab.
"How do collections compare with last week?"	It quotes the numbers it used so you can check it.

Two things worth knowing:

- **It can see every tab you can see** — not just the one in front of you. If you are on Front Desk and ask about staff, it answers from the Staff tab's figures and then **switches the dashboard to that tab** so you can see where the answer came from. The small caption under the reply ("from the Staff tab") tells you which one it read.
- **It can only see what you can see.** The agent is given exactly the tabs your role is allowed to open. A front-desk user asking about payroll gets "I don't have that", because those figures were never in the prompt.

It answers from the **current filter period**, so if a number looks wrong, check the date range in the filter bar first.

Clear empties the conversation. Closing the panel keeps it.

10.3 Suggest Tests (AI) — front desk

On an order, the **Suggest Tests (AI)** button asks what the patient is complaining of and turns it into a proposed test list.

1. Type the complaint in plain words — "fever and fatigue for three days".
2. Click **Suggest**.
3. You get two things back: * **Suggested Tests** — tags you can remove individually. Every one is a real test from your own catalogue; the AI is given the catalogue and anything it names that is not on the list is dropped before you ever see it, so it cannot invent a test you do not sell. * **Possible Conditions** — up to five conditions the symptoms could point to, most likely first, each with a few words of reasoning. This is a prompt for the clinician's thinking, **not a diagnosis**, and it is never shown to the patient or printed anywhere.
4. Remove anything you do not want, then **Add to Order**.

If the AI names nothing from your catalogue, the wizard shows you its full reply instead of an empty box, so you can see what it actually said.

10.4 Explain a result — lab staff

On a single result, **AI Interpret** writes a plain-language note about what that value and flag mean in general terms. It lands in **AI Note**, which stays editable, is for staff reading only, and is never printed on the report.

You must enter a value first — there is nothing to explain about an empty cell.

10.5 Patient summary — on a validated test

On a **validated** test line, **AI Patient Summary** writes a short, reassuring, jargon-free paragraph aimed at the patient, ending with a reminder to discuss results with their doctor.

Writing it and printing it are two separate decisions: the text goes into **AI Patient Summary**, and it only reaches the patient's report if somebody ticks **Include on report**. Read it before you tick.

10.6 Critical value alerts

When a result comes back critical, the module raises its alert whether or not AI is configured. If a provider is set, the alert body is phrased by the AI; if the provider is slow, broken or missing, the alert still goes out with its standard wording.

This is deliberate: a critical value is a phone call, and no AI failure is allowed to delay or swallow it.

10.7 Watching the cost

Menu: **Diagnostics ► Configuration ► AI Usage Log.**

One row per call, written by the system, read-only.

Column	What it means
Feature	Which button caused it.
User / Date	Who asked and when.
Provider	Which provider answered.
Success	Unticked rows are failures; Error Message says why.
Tokens In / Tokens Out	What was sent and returned.
Cost	Calculated from the prices on the provider record.

If someone reports "the AI is broken", this log is the first place to look — a run of unticked **Success** rows with the same error usually means a wrong API key, an expired quota, or an Ollama server that is not running.

What to do when the system refuses something

Message or situation	What it usually means	What to do
Duplicate warning on Quick Registration	Mobile or national ID already exists.	Open the existing patient instead of creating a second one.
Cannot confirm / collect unpaid order	Partial payment is off in Settings.	Take the balance, or a manager confirms without payment.
Cannot deliver: balance due	Release-with-due is off.	Collect the balance, or a manager delivers.
Cannot submit results	A mandatory parameter is empty.	Fill every mandatory cell.
Cannot validate	You are not a pathologist, or the line is not in Entered.	Send it through Submit first; sign in as a pathologist.
Cancel blocked	A test already has results.	Reject those results, then cancel.
Payslip generate / verify blocked	Someone is still checked in.	Check them out (or correct the attendance) and try again.
"No default AI provider is configured"	No provider is ticked as Default Provider .	A manager sets one in Configuration ► AI Providers (Chapter 3, Step 8).
"The AI provider could not answer"	Wrong API key, no quota, or an Ollama server that is not running.	Check the error in Configuration ► AI Usage Log, then the provider record.
Suggest Tests returns no tests	The AI named nothing that exists in your catalogue.	Read its full reply shown in the wizard; add the test to the catalogue if it is one you really offer.
The AI agent says it does not have a figure	It is not on any tab your role may open.	Ask someone with that role, or check you are looking at the right period.
Discount needs a PIN	The % is above the Settings limit.	Call a supervisor, or lower the discount.
Access error	Your user is missing the role.	Ask a manager to tick the role on Settings ► Users .

Appendix A — Field checklist by screen

Use this when you are staring at a form and cannot remember what a box is for. Hidden / automatic fields that you never type are marked *auto*.

Quick Registration — mobile, *name*, birthdate or age_years, sex; More Details: national_id, email, address, nationality_id, referring_doctor_id, delivery_preference, consent_email; This Visit: priority, collection_type.

Patient — photo, name, *ref* (auto), *mobile*, email, address, nationality_id, national_id, sex, birthdate, age_display (auto), age_estimated (auto), delivery_preference, *referring_doctor_id*, *consent_date*, *consent_email*, *consent_sms*, *partner_id* (auto), *order_ids* (auto*).

Order — patient_id, *patient_age_display*, *patient_sex*, *referring_doctor_id*, *order_date*, *session_id*, *priority*, *collection_type*, *fasting*, *due_datetime* (auto); Tests: *product_id*, *name*, *lab_section_id*, *sample_id* (auto), *price_unit*, *discount*, *tax_ids*, *price_subtotal* (auto), *state* (auto); totals: *amount_untaxed*, *discount_type*, *discount_value*, *amount_discount*, *amount_tax*, *amount_total*, *amount_due*; Billing: *bill_to_partner_id*, *pricelist_id*, *currency_id*, *invoice_id* (auto), *payment_state* (auto*), *user_id*; Delivery: *validated_datetime*,

delivered_datetime, tat_hours, delivery_ids; Notes: note.

Bill & Pay — patient_id, bill_to_partner_id, amounts (*auto*), discount_type, discount_value, supervisor_pin, journal_id, payment_date, amount_received, amount_change (*auto*), amount_remaining (*auto*), auto_print_receipt, auto_print_labels.

Deliver Report — patient_id, amount_due, channel, recipient, portal_url.

Sample — name (*auto*), order_id, patient_id, sample_type_id, lab_section_id, priority, collected_by, collected_datetime, received_by, received_datetime, parent_sample_id, external_partner_id, reject_reason, reject_note, line_ids.

Reject Sample — sample_ids, reason, note.

Outsource Dispatch — sample_ids, external_partner_id*, courier_note.

Order line / Test — name, order_id, patient_id, product_id, lab_section_id, sample_id, technician_id, validator_id, validated_datetime, rerun_count, is_amended, result_ids, interpretation.

Result — line_id, parameter_id, value_numeric, value_selection, value_char, unit, range_display, flag, previous_value, delta_percent, entered_by, entered_datetime, comment.

Reject Results — line_ids, reason, note.

Cash session — name (*auto*), user_id, opening_datetime, closing_datetime, opening_amount, cash_expected (*auto*), expected_amount (*auto*), counted_amount, difference (*auto*), note.

Close Cash Session — opening_amount, cash_expected, counted_amount*, difference, note.

Employee (Diagnostic Centre tab) — dc_is_staff, dc_role, dc_lab_section_id, dc_license_number, dc_license_expiry, dc_license_expired (*auto*), dc_signature, dc_collected_count, dc_entered_count, dc_validated_count (*auto*).

Attendance (list) — employee_id, check_in, check_out, worked_hours, dc_expected_hours, dc_is_late, dc_late_minutes, dc_overtime_hours.

Contract — name, employee_id, structure_id, date_start, date_end, trial_end, wage, hourly_rate, overtime_rate_multiplier, working_days_per_month, working_hours_per_day, allowance_ids, note.

Generate Payslips — date_start, date_end, run_name, lab_section_id, structure_id, employee_ids.

Payslip — employee_id, date_from, date_to*, contract_id, structure_id, payslip_run_id, worked_days, expected_days, absent_days, overtime_hours, late_minutes, line_ids, attendance_ids, gross, total_deduction, net, move_id, note.

Payslip batch — name, date_start, date_end, lab_section_id, total_net, slip_ids.

Salary structure — name, code, parent_id, journal_id, rule_ids, note.

Salary rule — name, code, category_id, structure_id, sequence, appears_on_payslip, active, condition_select, condition_range*, condition_python, amount_select, amount_fix, amount_percentage, amount_percentage_base, amount_python_compute, account_debit_id, account_credit_id, note.

Lab section — name, code, color, manager_id, target_tat_hours, stat_tat_hours.

Sample type — name, code, container_name, cap_color, volume_ml, instruction.

Session — name, start_hour, end_hour.

Test (product Lab Test tab) — is_lab_test, is_lab_package, lab_section_id, sample_type_id, tat_hours, is_stat_capable, fasting_required, synonyms, allowed_sex, min_age, max_age, is_external, external_partner_id, package_test_ids, parameter_ids, report_template.

Parameter — product_tmpl_id, name, code, value_type, uom_label, decimals, selection_options, formula, is_mandatory, is_printable, reference_range_ids (sex, age_from, age_to, age_unit, low, high, critical_low, critical_high, text_range).

Settings — see Chapter 3, Step 1.

Printed reports wizard — report_key, date_from, date_to, session_ids, user_ids, section_ids.

End of the Easy Diagnostic Center with AI user manual, version 19.0.1.2.0.