



QSM Diagnostics

User Guide

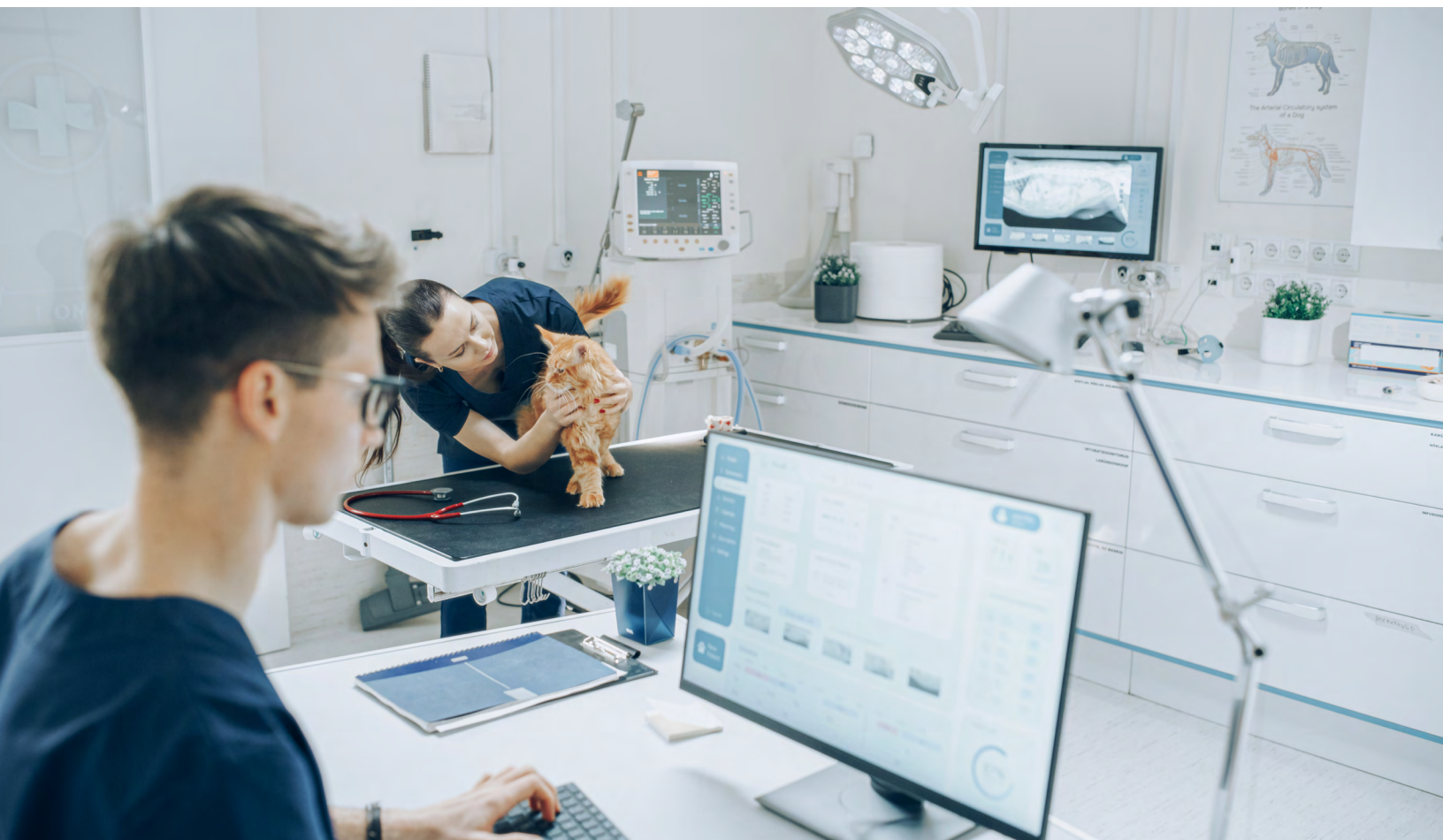


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Overview

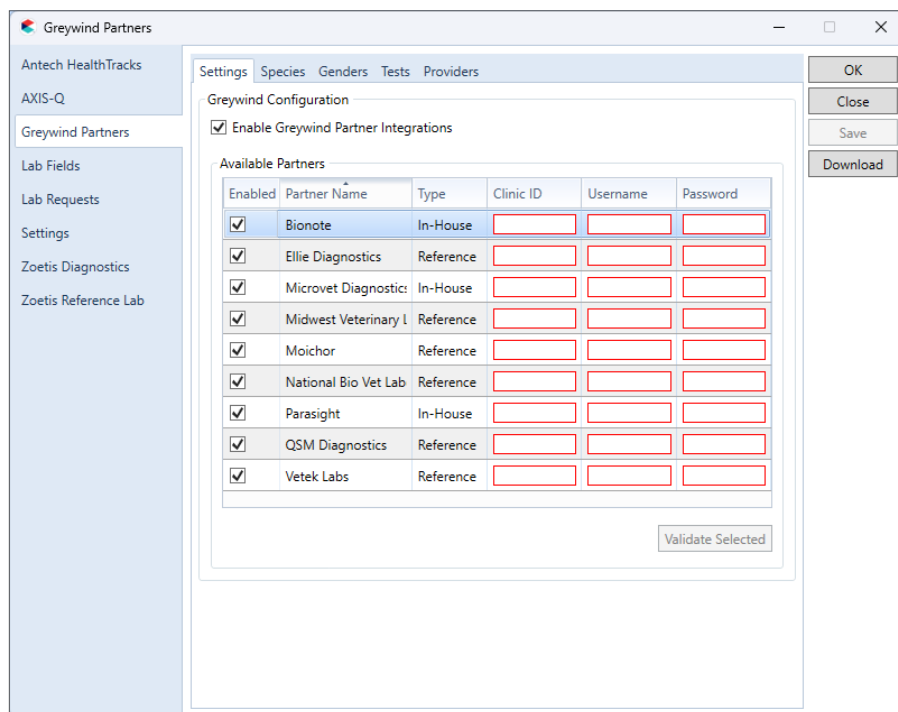
Impromed integrates with **QSM Diagnostics** to provide the lab workflow from requisitioning to results.

Setup

The steps below will go through the process to enable the use of the QSM Diagnostics integration. You will need your credentials for QSM Diagnostics.

Settings Tab

1. Click  > **Setup > Lab Integrations > Greywind Partners**.
2. Check the box to **Enable Greywind Partner Integrations**.
3. Check the box to enable the **QSM Diagnostics** integration.



Enabled	Partner Name	Type	Clinic ID	Username	Password
☒	Bionote	In-House			
☒	Ellie Diagnostics	Reference			
☒	Microvet Diagnostics	In-House			
☒	Midwest Veterinary I	Reference			
☒	Moichor	Reference			
☒	National Bio Vet Lab	Reference			
☒	Parasight	In-House			
☒	QSM Diagnostics	Reference			
☒	Vetek Labs	Reference			

4. Enter the credentials provided to you by QSM Diagnostics.
5. Click the **Validate Selected** button. If the credentials entered could not be validated, contact QSM Diagnostics to verify your credentials.

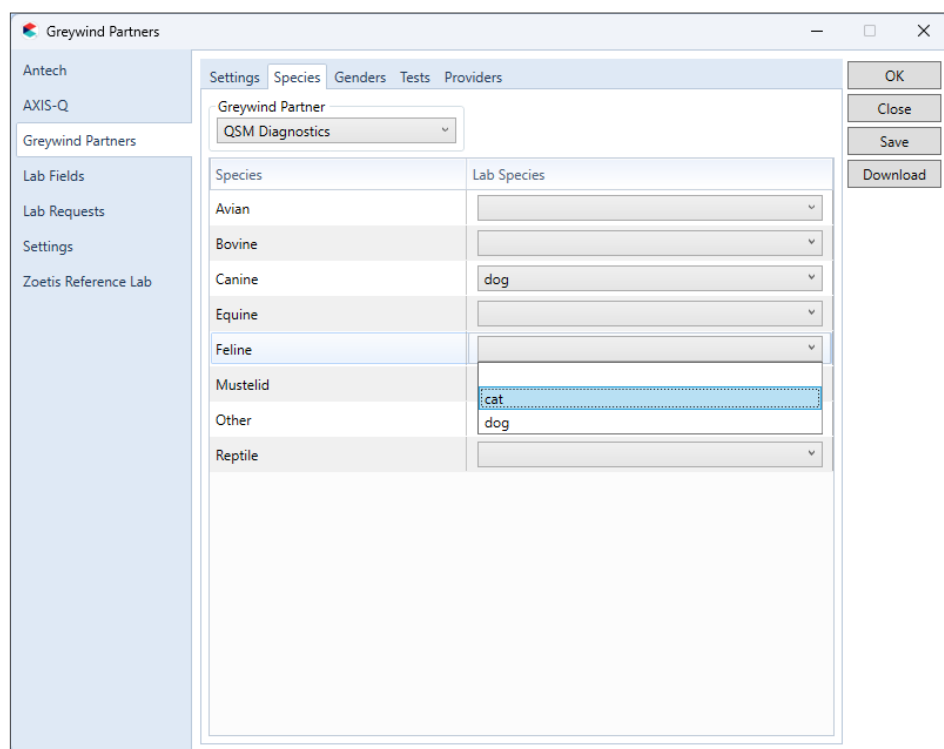
- After validation has been confirmed, click **Download** to map the **Species**, **Genders**, **Tests** available, and **Providers**.



When Greywind Partner is checked, the Clinic ID, Username, and Password fields will be outlined in red to indicate required fields.

Species Tab

- On the Species tab select **QSM Diagnostics** from the Greywind Partners drop-down list to map the Species.
- After the Download button is clicked, the mapping of Species may be done automatically. However, if some species did not get mapped or not mapped correctly, select the species from the Lab Species drop-down list.
- Click **Save** to save changes.



Species	Lab Species
Avian	
Bovine	
Canine	dog
Equine	
Feline	cat
Mustelid	
Other	dog
Reptile	

Genders Tab

On the Genders tab, map the Impromed genders to QSM Diagnostics's genders.

1. On the **Genders** tab, select **QSM Diagnostics** as the Greywind Partner.
2. If the Download button was clicked, most of the genders should populate. However, this is an opportunity to map genders that weren't downloaded or map those that may have been mapped incorrectly.
3. Click **Save** to save changes.

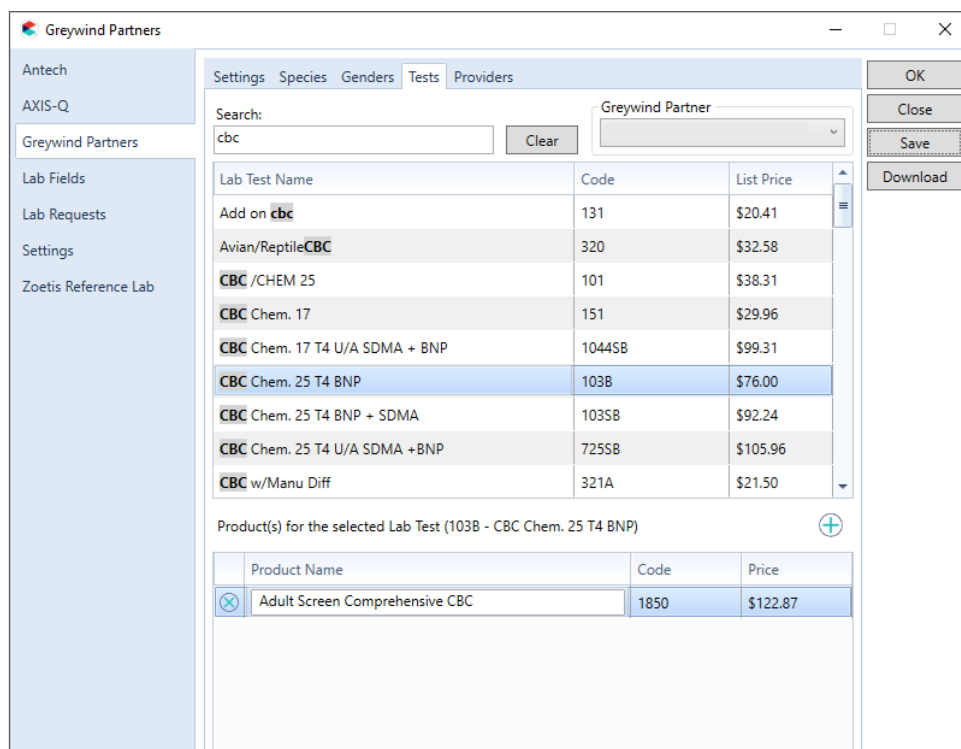
The screenshot shows the 'Greywind Partners' application window with the 'Genders' tab selected. The interface includes a sidebar on the left with navigation options: Antech, AXIS-Q, Greywind Partners (selected), Lab Fields, Lab Requests, Settings, and Zoetis Reference Lab. The main area has tabs for Settings, Species, Genders (selected), Tests, and Providers. Below the tabs, there is a 'Greywind Partner' dropdown menu currently set to 'Select the Greywind Partner'. A table with two columns, 'Gender' and 'Lab Gender', is displayed. The 'Gender' column lists various codes: '?', 'F', 'FI', 'FS', 'G', 'M', 'MF', 'MN', 'MR', and 'S'. The 'Lab Gender' column shows corresponding dropdown menus with some pre-filled values: 'Female' for 'F', 'Female Intact' for 'FI', 'Female Spayed' for 'FS', 'Male' for 'M', and 'Male Neutered' for 'MN'. Other dropdowns are empty. On the right side of the window, there are four buttons: 'OK', 'Close', 'Save', and 'Download'.

Gender	Lab Gender
?	
F	Female
FI	Female Intact
FS	Female Spayed
G	
M	Male
MF	
MN	Male Neutered
MR	
S	

Tests Tab

To send lab requests to QSM Diagnostics, you must map the lab tests from QSM Diagnostics to an Impromed product. After doing so, you can add those products to a travel sheet to submit a lab requisition or you can associate the mapped products using Product Attachments to create lab requests when those products are added to an invoice.

1. On the **Tests** tab, select **QSM Diagnostics** as the Greywind Partner.
2. On the **Lab Test Name** table, select a partner lab test.
3. Below the table, click the **Add** button (). This adds the Product Name, Code, and Price fields to select the Impromed product to match with QSM Diagnostics's lab test.



Greywind Partners

Antech
AXIS-Q
Greywind Partners
Lab Fields
Lab Requests
Settings
Zoetis Reference Lab

Settings Species Genders Tests Providers

Search: cbc Clear Greywind Partner

Lab Test Name	Code	List Price
Add on CBC	131	\$20.41
Avian/Reptile CBC	320	\$32.58
CBC /CHEM 25	101	\$38.31
CBC Chem. 17	151	\$29.96
CBC Chem. 17 T4 U/A SDMA + BNP	1044SB	\$99.31
CBC Chem. 25 T4 BNP	103B	\$76.00
CBC Chem. 25 T4 BNP + SDMA	103SB	\$92.24
CBC Chem. 25 T4 U/A SDMA +BNP	725SB	\$105.96
CBC w/Manu Diff	321A	\$21.50

Product(s) for the selected Lab Test (103B - CBC Chem. 25 T4 BNP)

Product Name	Code	Price
Adult Screen Comprehensive CBC	1850	\$122.87

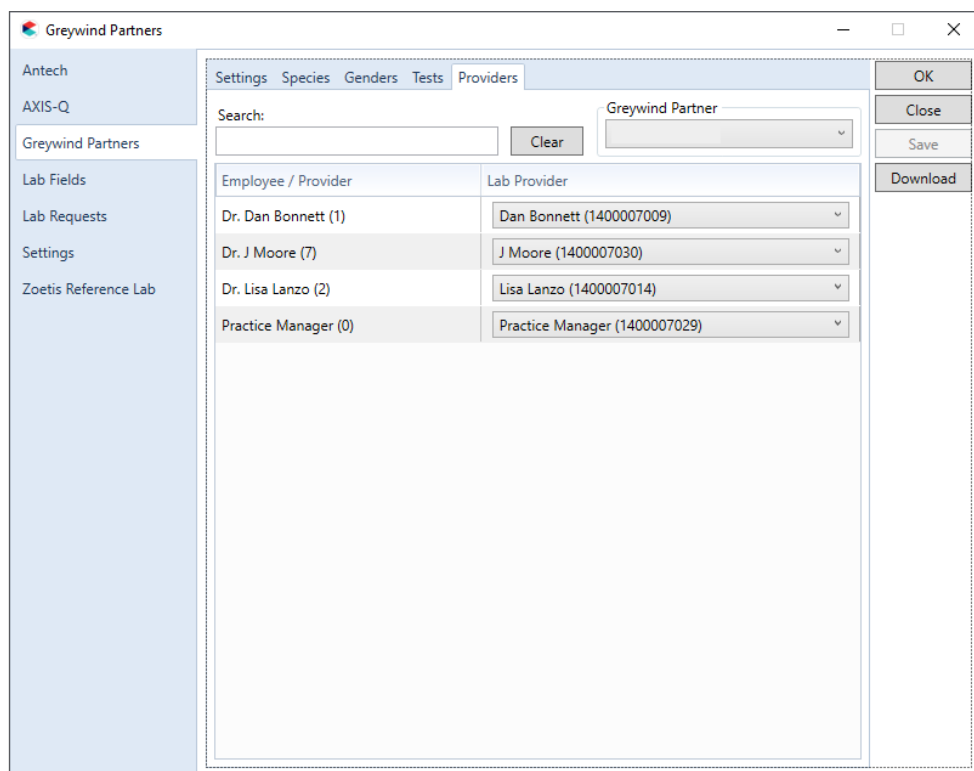
OK
Close
Save
Download

4. In the **Product Name** field, enter the name of the Impromed product to match QSM Diagnostics's test.
5. If an Impromed product was added in error, click the **Remove** button () to remove the product.
6. Click **Save**.

Providers Tab

On the Providers tab, map the Employee / Provider to the Lab Provider for QSM Diagnostics. If an employee is not listed as a provider, they may need to be setup as a provider in [“Employee Setup” on page 8](#).

1. On the **Providers** tab, select **QSM Diagnostics** as the Greywind Partner.
2. After clicking the Download button, the mapping of providers may be done automatically. However, if some providers did not get mapped or were not mapped correctly, select the provider from the Lab Provider drop-down list.
3. Under **Lab Provider**, select the employee associated with the Employee / Provider in Impromed.
4. Click **Save**.



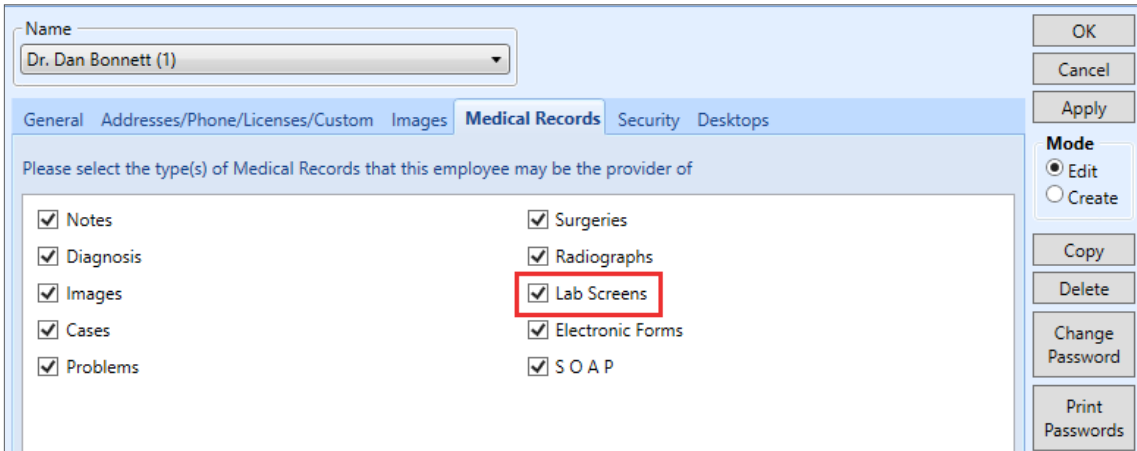
The screenshot shows the 'Greywind Partners' application window with the 'Providers' tab selected. The interface includes a sidebar with navigation options: Antech, AXIS-Q, Greywind Partners, Lab Fields, Lab Requests, Settings, and Zoetis Reference Lab. The main content area has tabs for Settings, Species, Genders, Tests, and Providers. The Providers tab is active, showing a search bar with a 'Clear' button and a dropdown menu labeled 'Greywind Partner'. Below this is a table with two columns: 'Employee / Provider' and 'Lab Provider'. The table contains four rows of data, each with a dropdown menu for the 'Lab Provider' column. To the right of the table are buttons for 'OK', 'Close', 'Save', and 'Download'.

Employee / Provider	Lab Provider
Dr. Dan Bonnett (1)	Dan Bonnett (1400007009)
Dr. J Moore (7)	J Moore (1400007030)
Dr. Lisa Lanzo (2)	Lisa Lanzo (1400007014)
Practice Manager (0)	Practice Manager (1400007029)

Employee Setup

If an employee does not have the rights to submit lab requests, go into Setup Employees and give them rights to be a provider of Lab Screens.

1. Click  > **Setup > Employees > Employees.**
2. Select the employee.
3. Click on the **Medical Records** tab.
4. Check **Lab Screens**.
5. Click **Apply**.



The screenshot shows the 'Employee Setup' window for 'Dr. Dan Bonnett (1)'. The 'Medical Records' tab is selected. The window contains a list of medical record types with checkboxes, a 'Mode' section with 'Edit' and 'Create' radio buttons, and a sidebar with buttons for 'OK', 'Cancel', 'Apply', 'Copy', 'Delete', 'Change Password', and 'Print Passwords'.

Please select the type(s) of Medical Records that this employee may be the provider of	
☒ Notes	☒ Surgeries
☒ Diagnosis	☒ Radiographs
☒ Images	☒ Lab Screens
☒ Cases	☒ Electronic Forms
☒ Problems	☒ S O A P

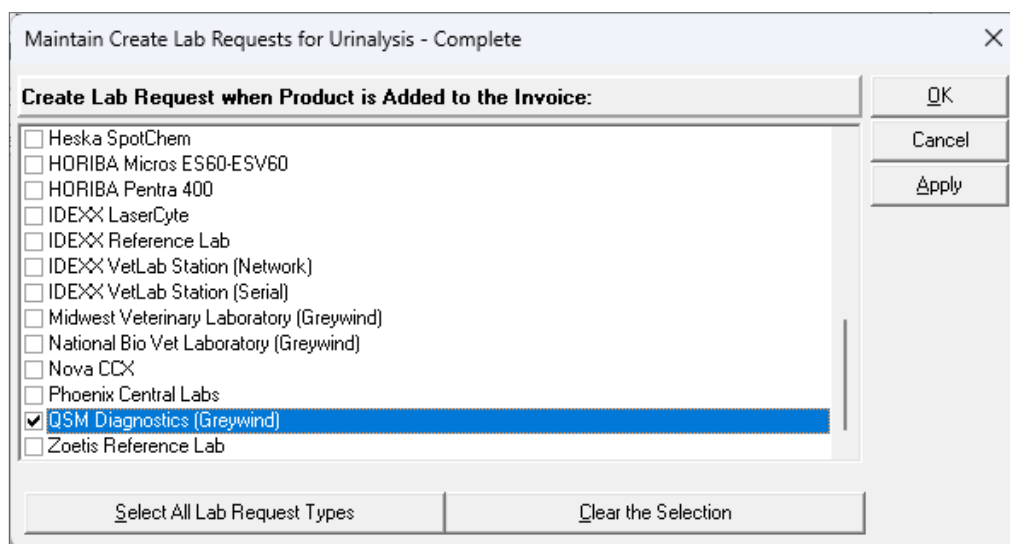
Mode:
☒ Edit
☐ Create

Buttons: OK, Cancel, Apply, Copy, Delete, Change Password, Print Passwords

Setup Product Attachments

Follow the steps below to setup product attachments for QSM Diagnostics. Doing so will enable operators to add those products to an invoice which will then generate a lab request to QSM Diagnostics.

1. Click  > **Setup > Products > Product Attachments**.
2. Choose a Product.
3. Click the **Attachment Type** drop-down menu.
4. Choose **Create Lab Requests**.
5. The request will be made When the Product is Added to the Invoice.
6. Click **Maintain**. The Maintain Create Lab Requests for [product] dialog box opens.
7. Check the box for **QSM Diagnostics**.



- If QSM Diagnostics is not showing on the Maintain Create Lab list, you need to return to Greywind Setup to enable QSM Diagnostics.
- If products were not linked from QSM Diagnostics lab tests to Improved products, a warning will display. You will need to return to Greywind Setup - Tests tab to link products.

8. Click **OK**.
9. Repeat the steps to attach additional products to Greywind Partners.

Travel Sheet Setup

This topic presents the steps to create a travel sheet for QSM Diagnostics.



If you did not link QSM Diagnostics lab tests to Impromed products, you will not be able to create a travel sheet.

To create a travel sheet for **QSM Diagnostics**:

1. Click  > **Setup** > **Travel Sheets**. The Setup Travel Sheets window opens.
2. Click **Create** under **Mode**.
3. Enter the **Name** for the travel sheet.
4. Under **Lab**, select **QSM Diagnostics** from the drop-down list.



- If QSM Diagnostics is not showing on the Lab list, you need to return to Greywind Setup to enable the QSM Diagnostics.
- If products were not mapped from QSM Diagnostics lab tests to Impromed products, a warning will display. You will need to return to Greywind Setup > Tests tab to map (link) products.

5. From the Product Name, Code, or BarCode, select the product for the QSM Diagnostics lab test.
6. Click **Add to Sheet** then repeat the steps to add additional products.
7. Click **Apply** to save changes. Click OK to save changes and close Setup Travel Sheets.

Universal Lab Reader Configuration

To receive lab results from QSM Diagnostics, it is necessary to configure the **Universal Lab Reader (ULR)**.

To configure the ULR, follow the steps below. If QSM Diagnostics does not appear in the ULR configuration, you will need to enable the partner in Greywind Partners setup.

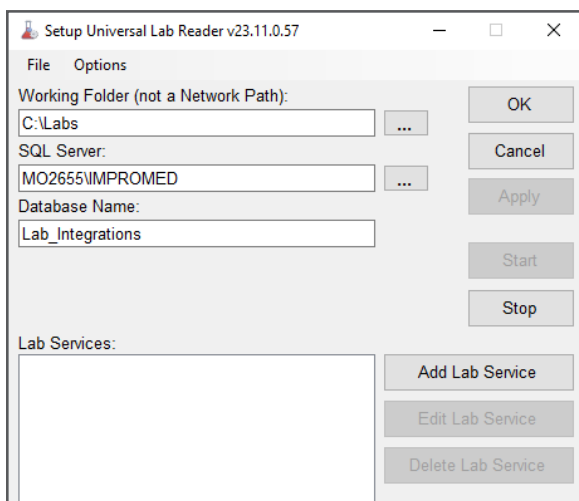
Configure the Lab Reader

1. Click **Start > [All] Programs > Impromed Universal Lab Services > Configure ULR**.
2. Click  for the **Working Folder** location.



The Working Folder must be a local folder and does NOT need to be shared.

3. Select the **C:\Labs** folder.
4. Click **OK**.
5. Enter the SQL Server (i.e. pdc1\Impromed - Note: this is an Impromed standard naming convention. Your server name may vary).
6. Click  to connect to the SQL Server.
7. Select the **Database Name** (i.e. Impromed).



Setup Universal Lab Reader v23.11.0.57

File Options

Working Folder (not a Network Path):
C:\Labs

SQL Server:
MO2655\MPROMED

Database Name:
Lab_Integrations

Lab Services:

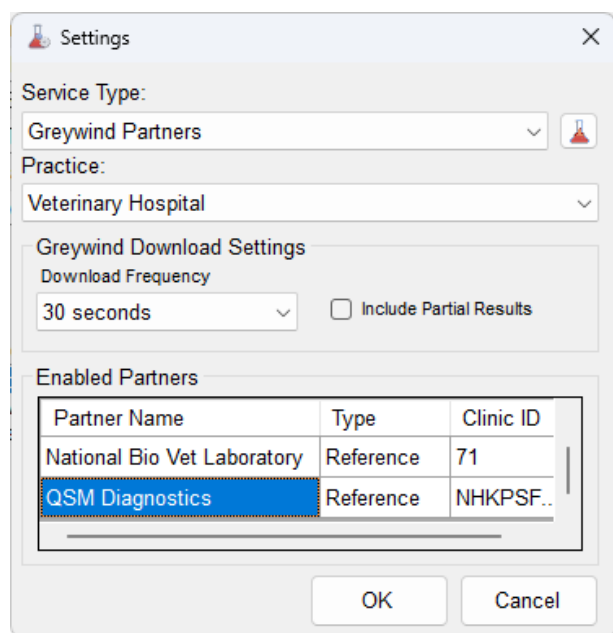
Buttons: OK, Cancel, Apply, Start, Stop, Add Lab Service, Edit Lab Service, Delete Lab Service

8. Click **Apply**.

Add Lab Service

Once the ULR has been configured, now add the QSM Diagnostics lab service.

1. In the Setup Universal Lab Reader, click **Add Lab Service**.
2. From the **Service Type** drop-down list, select Greywind Partners.
3. Select the **Practice** from the drop-down list.
4. Configure the **Download Settings** (Download Frequency and Include Partial Results).
5. Review the Enabled Partners. If a partner is not listed, you need to go to [“Setup” on page 3](#) and enable the partner.



The screenshot shows a 'Settings' dialog box with the following sections:

- Service Type:** A dropdown menu set to 'Greywind Partners'.
- Practice:** A dropdown menu set to 'Veterinary Hospital'.
- Greywind Download Settings:**
 - Download Frequency:** A dropdown menu set to '30 seconds'.
 - Include Partial Results:** An unchecked checkbox.
- Enabled Partners:** A table with three columns: Partner Name, Type, and Clinic ID.

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Partner Name	Type	Clinic ID
National Bio Vet Laboratory	Reference	71
QSM Diagnostics	Reference	NHKPSF..

Lab Requisition Workflow

This topic covers both ordering labs from the Travel Sheet and Invoicing through Product Attachments.

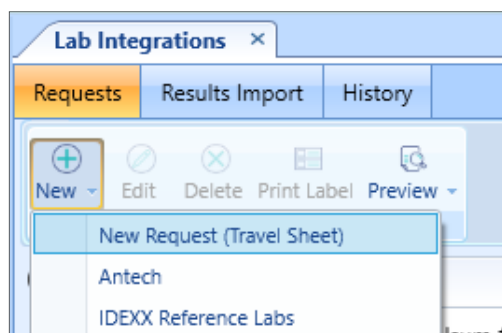
Product Attachment Workflow

If a product has a create lab request attachment for a Greywind Partner, you are able to order through Invoicing. If you have not created product attachments to create lab requests, follow the steps below the [“Setup Product Attachments” on page 9](#).

1. Click  > **Modules > Invoices**.
2. Select the patient.
3. Add the products attached to **QSM Diagnostics** Lab Requests.
4. Conclude the invoice.

Lab Integrations (Travel Sheet) Workflow

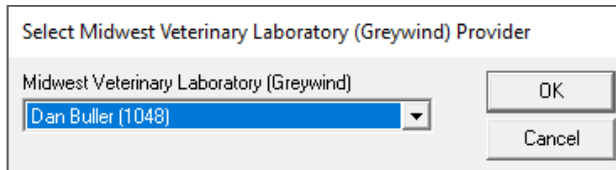
1. Click  > **Modules > Lab Integrations**.
2. From the Lab Integrations module, click the **New** button, choose **New Request (Travel Sheet)**.



3. On the Lab Requests screen, select the QSM Diagnostics sheet you created. If you have not created a QSM Diagnostics travel sheet, refer to the [“Travel Sheet Setup” on page 10](#).
4. Verify the other fields have been filled in correctly.



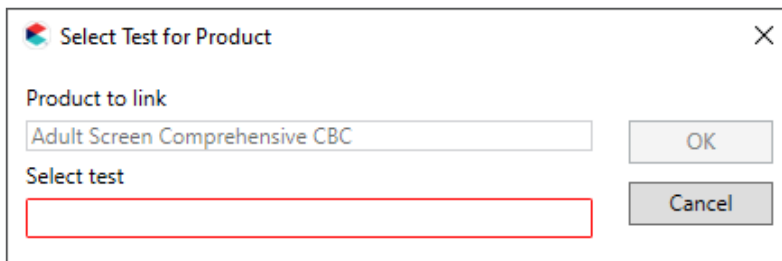
If the Provider selected on the travel sheet is not linked to QSM Diagnostics, a prompt will appear to select the Provider.



5. After the order is sent successfully, a PDF will be presented, allowing the business to print/save. The request can be viewed by double-clicking on the Requests tab.

Broken Product Link

In the event a product is removed from QSM Diagnostics Tests, but the product is not removed from the travel sheet, a prompt will display for the operator to select the QSM Diagnostics Test to link back to the product when a lab request is being made from the travel sheet.



1. Click in the **Select test** field and begin typing the name of **QSM Diagnostics's** test to match the Impromed product.
2. Click **OK** to save changes.

Saving the test here will link the test to the product under QSM Diagnostics Greywind Partners Setup.