



QSM Diagnostics



IMPROMED®

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Overview

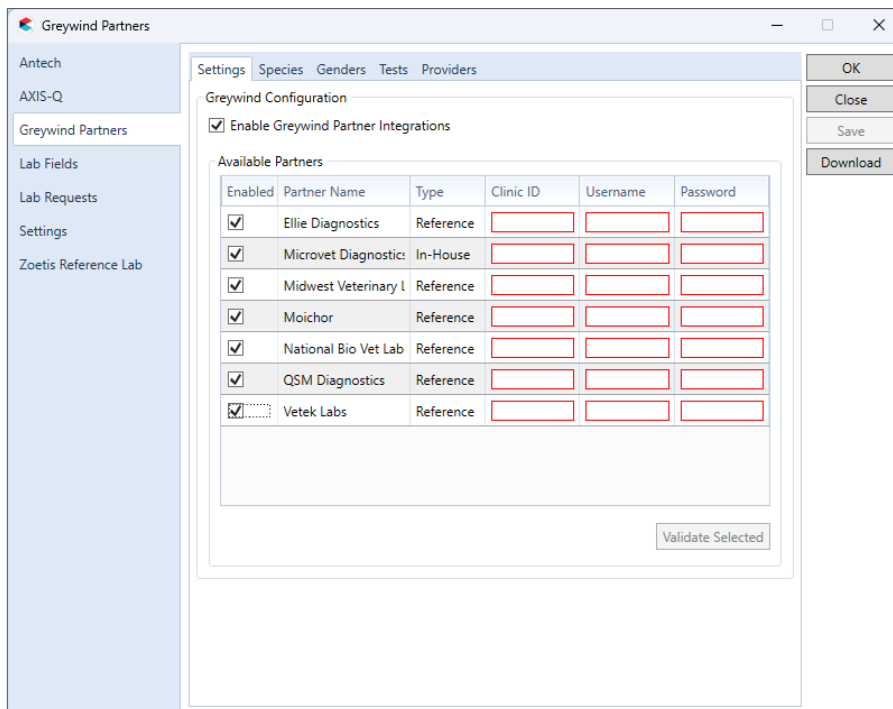
Impromed integrates with **QSM Diagnostics** to provide the lab workflow from requisitioning to results.

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
<input checked="" type="checkbox"/>	Ellie Diagnostics	Reference	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	Microvet Diagnostics	In-House	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	Midwest Veterinary I	Reference	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	Moichor	Reference	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	National Bio Vet Lab	Reference	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	QSM Diagnostics	Reference	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	Vetek Labs	Reference	<input type="text"/>	<input type="text"/>	<input type="text"/>

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.

6. 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

1. On the **Species** tab select **QSM Diagnostics** from the Greywind Partners drop-down list to map the Species.
2. 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.

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

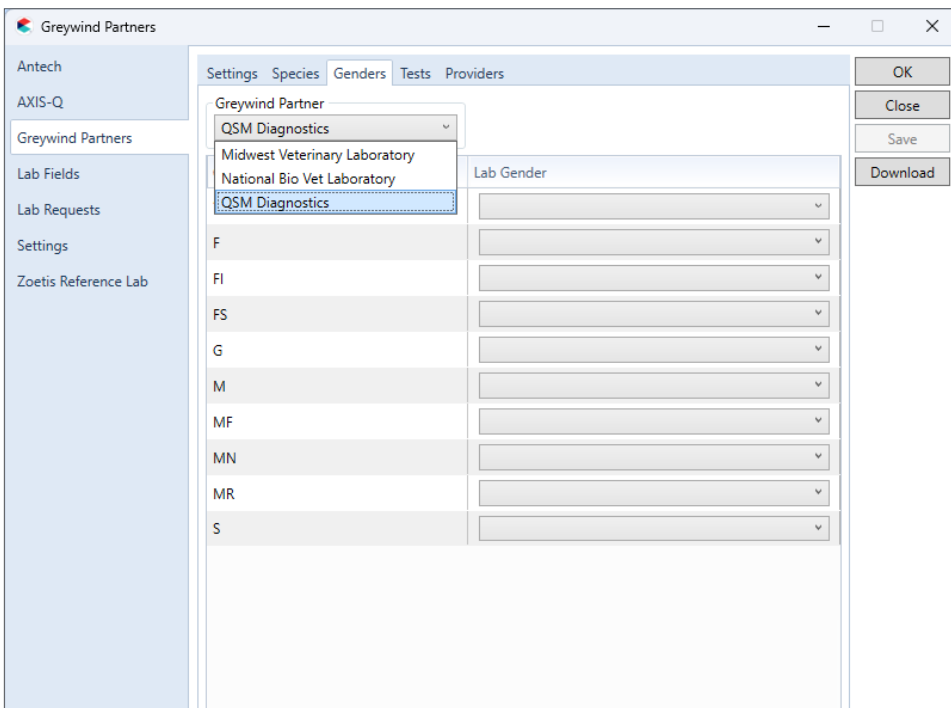
Genders Tab

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

1. On the **Genders** tab, select **QSM Diagnostics** as the **Greywind Partner**.


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.

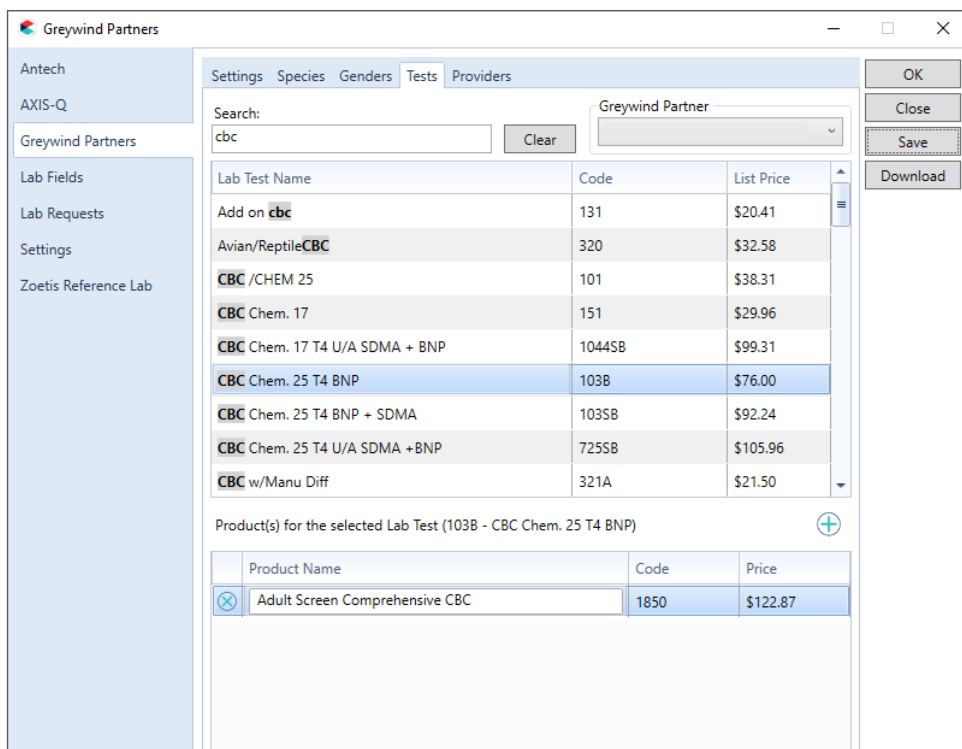
2. Click **Save** to save changes.



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: Clear

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**.

After clicking the **Download** button, the mapping of providers may be done automatically. However, if some providers did not get mapped or not mapped correctly, select the provider from the Lab Provider drop-down list.


2. Under **Lab Provider**, select the employee associated with the **Employee / Provider** in Impromed.
3. Click **Save**.

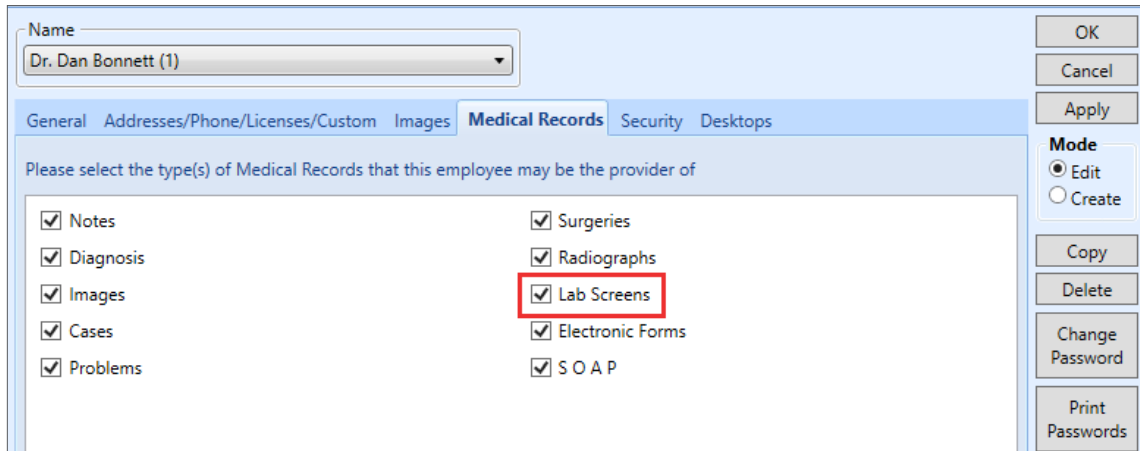
The screenshot shows the 'Greywind Partners' application window with the 'Providers' tab selected. The interface includes a search bar, a 'Clear' button, and a dropdown menu for 'Greywind Partner'. Below this is a table with two columns: 'Employee / Provider' and 'Lab Provider'. The table contains four rows of data, each with a dropdown arrow in the 'Lab Provider' column. To the right of the table are buttons for 'OK', 'Close', 'Save', and 'Download'. A sidebar on the left lists various menu items.

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**.

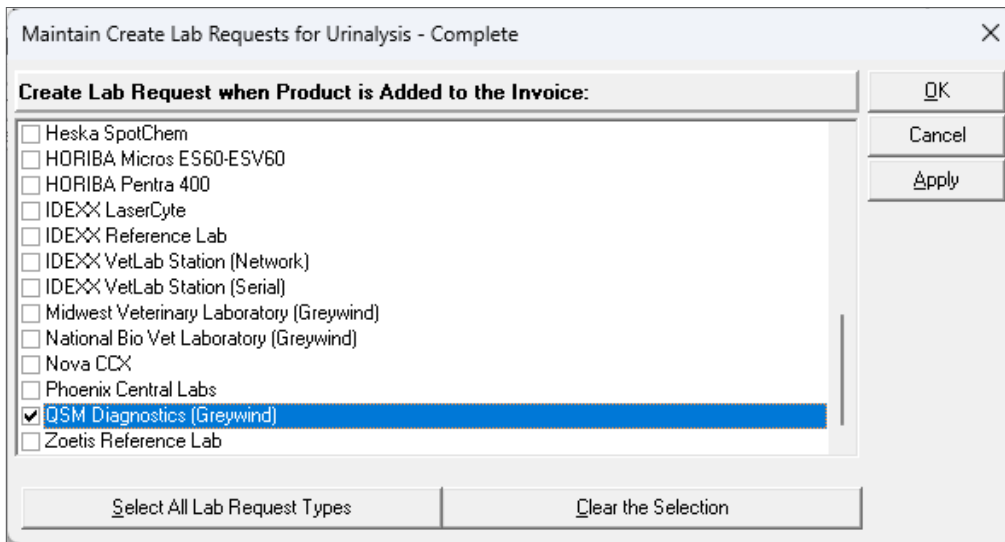


The screenshot shows a software window for setting up an employee. At the top, there is a 'Name' dropdown menu with 'Dr. Dan Bonnett (1)' selected. Below this are several tabs: 'General', 'Addresses/Phone/Licenses/Custom', 'Images', 'Medical Records', 'Security', and 'Desktops'. The 'Medical Records' tab is active. The main area contains the instruction 'Please select the type(s) of Medical Records that this employee may be the provider of' followed by a list of checkboxes: Notes, Diagnosis, Images, Cases, Problems, Surgeries, Radiographs, Lab Screens, Electronic Forms, and SOAP. The 'Lab Screens' checkbox is highlighted with a red rectangular box. On the right side of the window, there are buttons for 'OK', 'Cancel', 'Apply', 'Mode' (with 'Edit' selected and 'Create' unselected), 'Copy', 'Delete', 'Change Password', and '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**.



Maintain Create Lab Requests for Urinalysis - Complete

Create Lab Request when Product is Added to the Invoice:

- Heska SpotChem
- HORIBA Micros ES60-ESV60
- HORIBA Pentra 400
- IDEXX LaserCyte
- IDEXX Reference Lab
- IDEXX VetLab Station (Network)
- IDEXX VetLab Station (Serial)
- Midwest Veterinary Laboratory (Greywind)
- National Bio Vet Laboratory (Greywind)
- Nova CCX
- Phoenix Central Labs
- QSM Diagnostics (Greywind)
- Zoetis Reference Lab

Buttons: OK, Cancel, Apply

Buttons: Select All Lab Request Types, Clear the Selection



- 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.

IULR Configuration

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


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

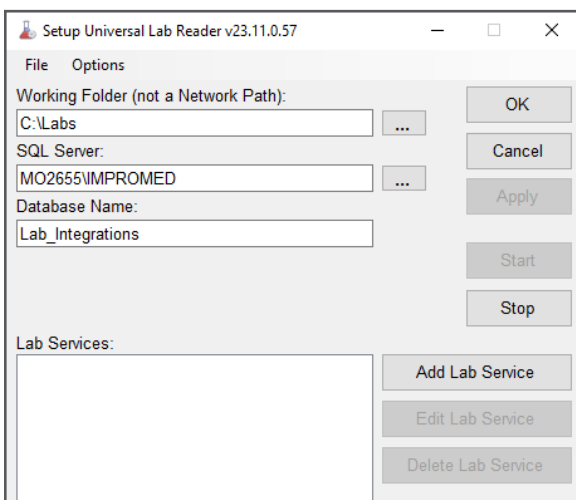
Configure the Lab Reader

1. Click **Start > [All] Programs > Improved 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\IMPROMED

Database Name:
Lab_Integrations

Lab Services:

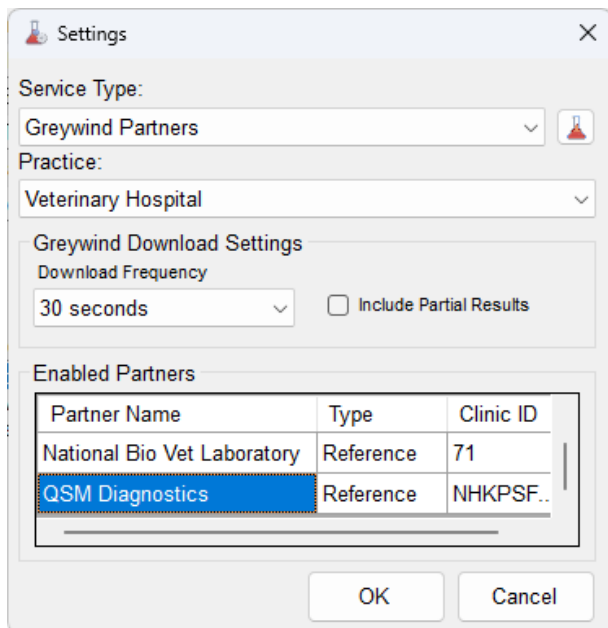
Buttons: OK, Cancel, Apply, Start, Stop, Add Lab Service, Edit Lab Service, Delete Lab Service

8. Click **Apply**.

Add Lab Service

Once the IULR 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 Greywind Partners setup page 3 and enable the partner.



Settings

Service Type:
Greywind Partners

Practice:
Veterinary Hospital

Greywind Download Settings
Download Frequency
30 seconds Include Partial Results

Enabled Partners

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


OK Cancel

Lab Requisition Workflow


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

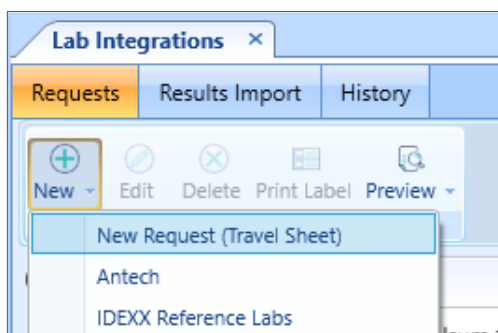
Product Attachment Workflow

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 "[Setup Product Attachments](#)" on page 9.
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.

Select Midwest Veterinary Laboratory (Greywind) Provider

Midwest Veterinary Laboratory (Greywind)

Dan Buller (1048)

OK

Cancel

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.

Select Test for Product

Product to link

Adult Screen Comprehensive CBC

Select test

OK

Cancel

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.