



# QSM Diagnostics

version 24.11.0 and higher



AVIMARK®

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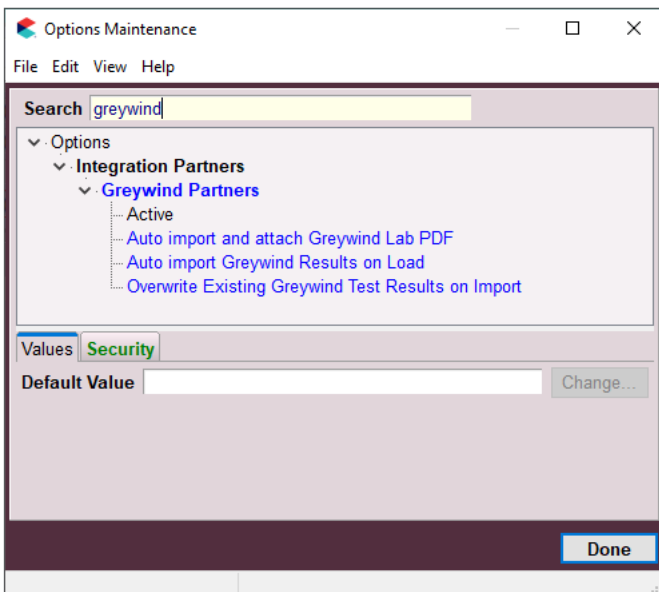
## Overview

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

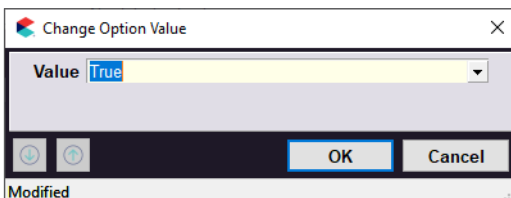
## Setup

Advanced Options will have some of the basic configuration for the QSM Diagnostics integration.

1. From the speedbar, click on the **Advanced Options** icon (  ).
2. In Options Maintenance, search for **greywind**.



3. Click on **Active**. To enable QSM Diagnostics, click on **Change** and set the **Value** to **True**.




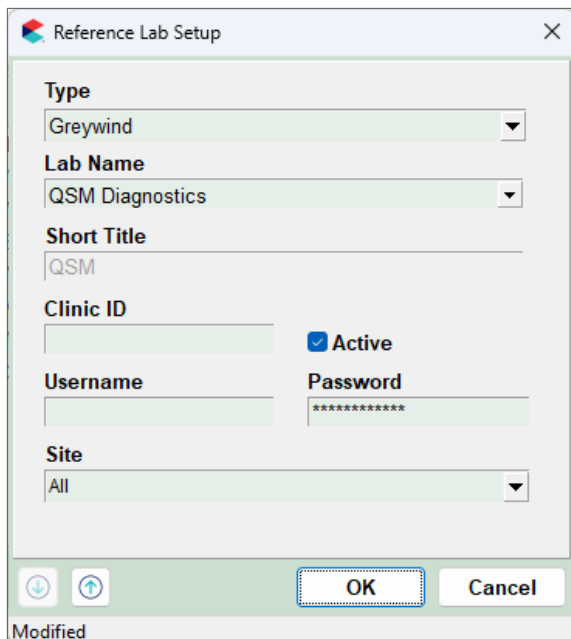
4. Click **OK**.

- Repeat these steps to set the practice's preferred **Default Value** for:
  - Auto import and attach Greywind Lab PDF.
  - Auto import Greywind Results on Load.
  - Overwrite Existing Greywind Test Results on Import.
- Click **Done** to close Options Maintenance.

## Configure the Lab Partner

Enter the practice credentials for QSM Diagnostics under Laboratories Management.

- From the menu, click on **Services > Laboratories Management**.
- Click the **New** icon (  ).
- In Reference Lab Setup, **Type** will be **Greywind**.
- Under **Lab Name**, select **QSM Diagnostics** from the drop-down list.
- Enter the **Clinic ID**, **Username**, and **Password**.
- If the practice is part of multiple sites and has different credentials for each location, select the **Site** for this practice. Otherwise, leave Site to **All**.



The image shows a 'Reference Lab Setup' dialog box with the following fields and controls:


- Type:** A dropdown menu with 'Greywind' selected.
- Lab Name:** A dropdown menu with 'QSM Diagnostics' selected.
- Short Title:** A text input field containing 'QSM'.
- Clinic ID:** A text input field.
- Active:** A checked checkbox.
- Username:** A text input field.
- Password:** A text input field with masked characters (asterisks).
- Site:** A dropdown menu with 'All' selected.
- Buttons:** 'OK' and 'Cancel' buttons at the bottom right.
- Footer:** 'Modified' text at the bottom left.

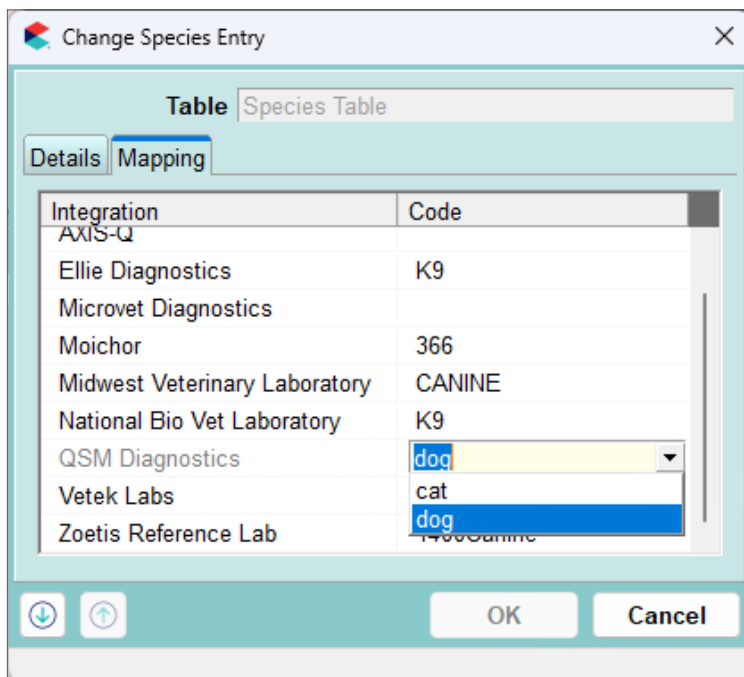
- Click **OK** to save changes.

## Configure System Tables

Mapping of species and genders can be done on the fly when a requisition is created. However, species and genders can be mapped manually through the New/Change Species window.

### Species Mapping

1. From the menu, click on **Work with > System Tables**.
2. Select the **Species Table**.
3. Double-click on a species or click the **Change** icon (  ).
4. Click on the **Mapping** tab.
5. Select **QSM Diagnostics**.
6. Double-click under **Code** to display the list of species from QSM Diagnostics.

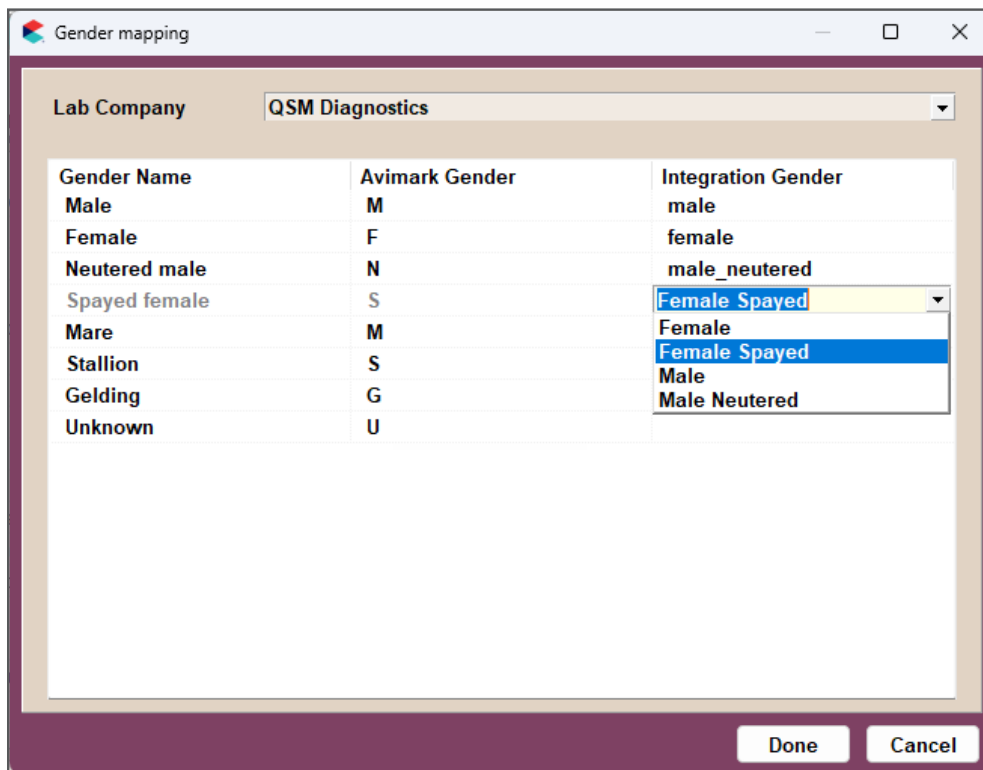


7. Select the **species** to match the Avimark species.
8. Click **OK** to save changes.

## Gender Mapping

Gender mapping can also be done on the fly when a requisition is created. To map genders manually, follow the steps below.

1. From the menu, click on **Work with > System Tables**.
2. Click on the **Gender Table**.
3. Under **Entries for Gender**, right-click > **Map Avimark Gender To Integration Gender**.
4. From **Lab Company**, select **QSM Diagnostics**.
5. Click under **Integration Gender**.
6. From the drop-down list, select the **QSM Diagnostics** gender to match the Avimark gender.
7. Click **Done** when finished.

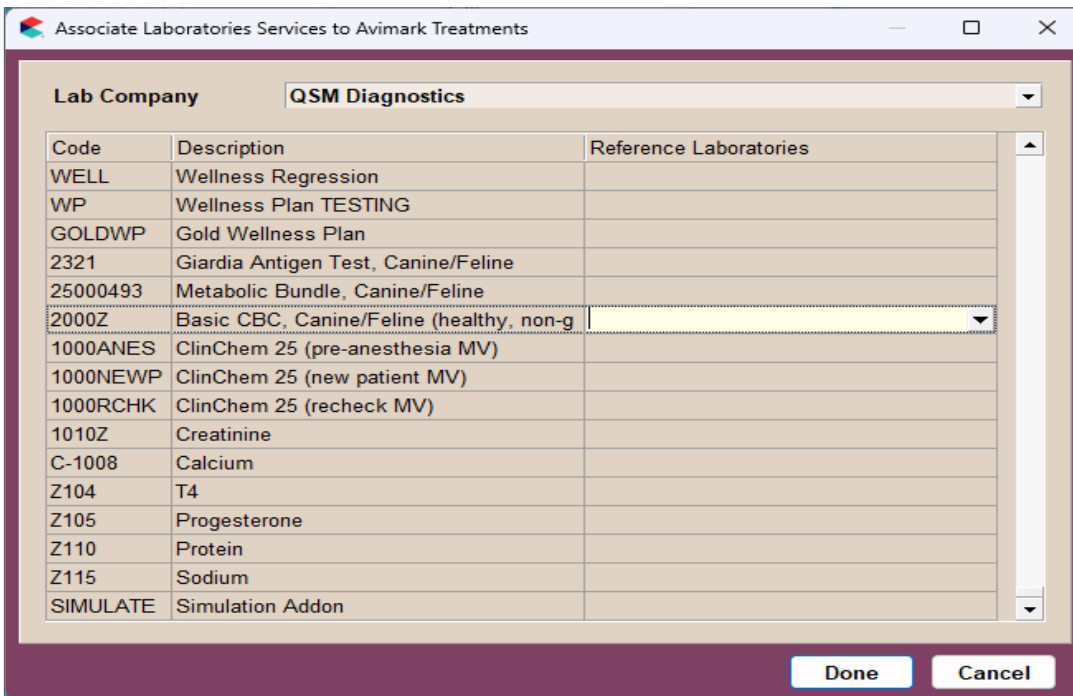


## Linking Tests


From the Treatment List, link Avimark items to QSM Diagnostics through Associate Services or from individual treatments.

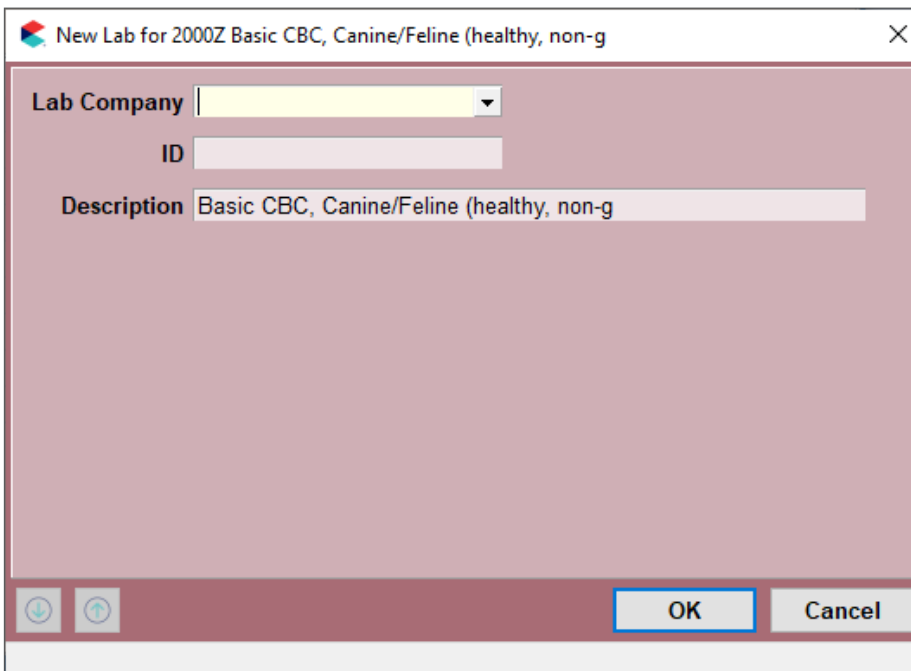
### Associate Services

1. From the menu, click on **Work with > Treatment List**.
2. In Treatment List menu, click on **Import Lab Treatments > Associate Services**.
3. From the **Lab Company** drop-down list, select **QSM Diagnostics**.
4. Under **Reference Laboratories**, select the lab test from **QSM Diagnostics** to match the Avimark treatment.
5. Click **Done** when finished.



## New or Change Treatment

1. From the menu, click on **Work with > Treatment List**.
2. Create a new treatment or search for an existing treatment and double-click to change.
3. Click on the **Laboratory** tab > **Labs** tab.
4. Click on the **New** icon (  )
5. From the **Lab Company** drop-down list, select **QSM Diagnostics**.
6. Select the **ID**.
7. Click **OK** to save changes.



New Lab for 2000Z Basic CBC, Canine/Feline (healthy, non-g)

Lab Company |


ID

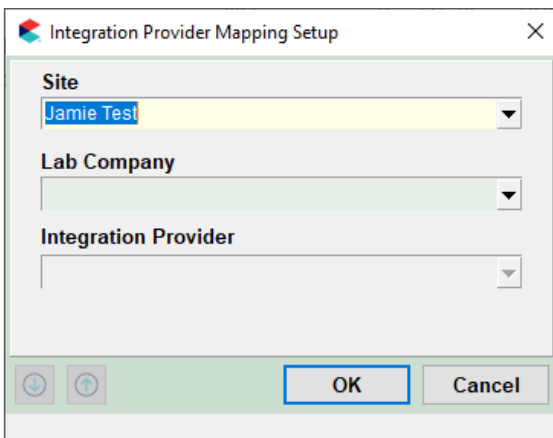
Description Basic CBC, Canine/Feline (healthy, non-g)



## Mapping Users

Each user will need to have the doctor mapped. This can be done on the fly or within the Change User window. Each user will need the doctor mapped for each location in a Site.

1. From the menu, click on **Work with > Users and Security**.
2. Double-click on the user.
3. In the **Change User** window, click on the **Integrations** tab.
4. Click on the **New** icon (  ).
5. From the **Lab Company** drop-down list, select **QSM Diagnostics**.
6. Select the **Integration Provider**.



7. Click **OK** and continue adding a Lab Company and Provider then click **Cancel** to close.
8. Click **OK** to close Change User.



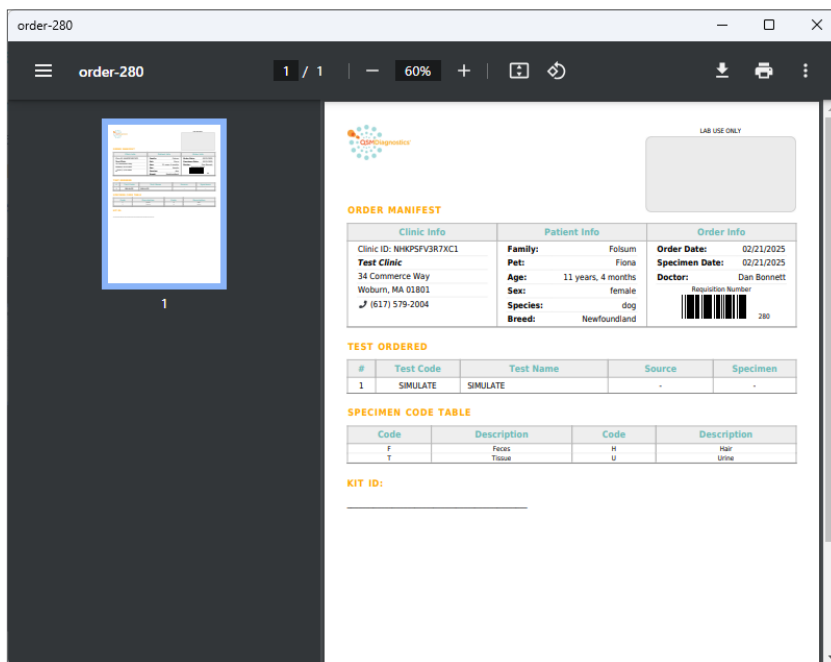
Some Lab Partners will allow you to setup the doctor on the fly by selecting "Provider not found, create a new one".

# Generating a Requisition

To create a requisition, add the treatment to the patient's Medical History or select Create Requisition from the Patient area.

## Create Requisition

1. From the Patient area, **right-click** > **Create Requisition**.
2. Select **QSM Diagnostics** from the **Lab Company** drop-down list.
3. **Right-click** > **Select** or **press space** to select the test(s) to add to the requisition.
4. The requisition will display and can be printed or downloaded.



## Medical History

1. In a patient's Medical History, **right-click** > **Choose** > **Treatments**.
2. Select the treatments to submit a requisition to QSM Diagnostics.
3. Click **Done**.
4. On the **Confirm** prompt to create a Requisition, click **Yes**.
5. The order for lab tests will appear as shown on page 10.

## Downloading Test Results

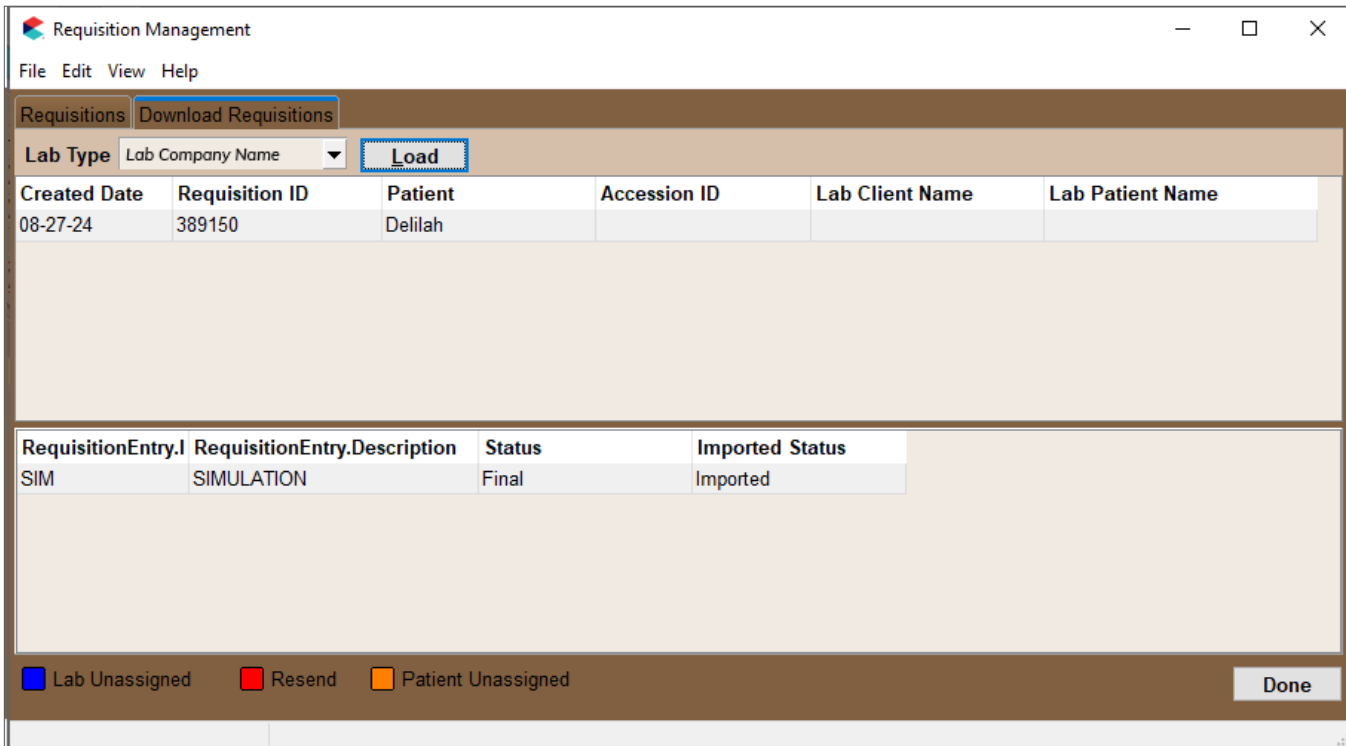
Test results from QSM Diagnostics can be downloaded automatically to Avimark and saved to patient records.

## Retrieving Results

Results are imported to Medical History automatically when the Advanced Option, **Auto import and attach Greywind Lab PDF**, is set to **True**.

To manually retrieve results:

1. Select **Services** > **Requisition Management** > **Download Requisitions** tab.
2. Select QSM Diagnostics from the **Lab Type** drop-down list.
3. Click the **Load** button.



## From Download Requisitions:

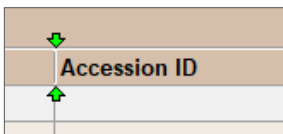
- Results being returned from the lab are displayed. When a requisition match is made, the requisition entry is displayed in black, indicating the **Imported** status. To display automatically imported results, select the Medical History Requisition entry in Medical History for the imported entries.
- Information displayed in orange indicates **orphaned** results, for which no automatic association could be made. These results can be manually associated with the correct entries.


This method is to be used when a restore has happened and the practice needs to re-download results that are missing.

## Customize View - Columns

If your version of Avimark does not include the columns you need in the Requisition Management window, you can customize the view by adding or removing columns as needed. To customize columns:

1. Click on **Services > Requisition Management > Download Requisitions** tab.
2. In the top half of the Columns dialog box, **right-click > View > Columns**.
3. On the **Drag & Drop** tab, locate the column(s) to add to Requisition Management.
4. Click and drag the column name to a position between existing columns. A double-set of green arrows will appear indicating where the new column will be placed.



5. To remove a column from view, click on the column name and drag it out of the column area. A large "X" will appear on the screen to indicate the column will be removed.
6. When finished, click  to close Columns.

Repeat the steps to add or remove columns from the bottom half of the Requisition Management window.

## Downloading a PDF of Results

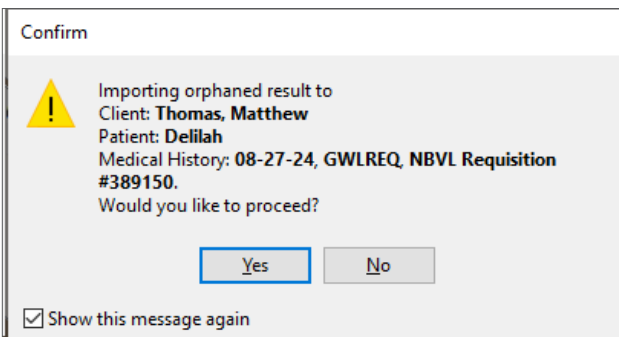
1. On the Avimark main menu, click on **Services > Requisition Management > Download Requisitions** tab.
2. Click the **Load** button.
3. On the requisition **right-click > Download PDF** from the shortcut menu.

This option lets you manually download any result PDF file, whether or not the **Auto import and attach Greywind Lab PDF** option is set to **True**. The PDF files will be attached to the selected line item in the patient's Medical History under file attachments.

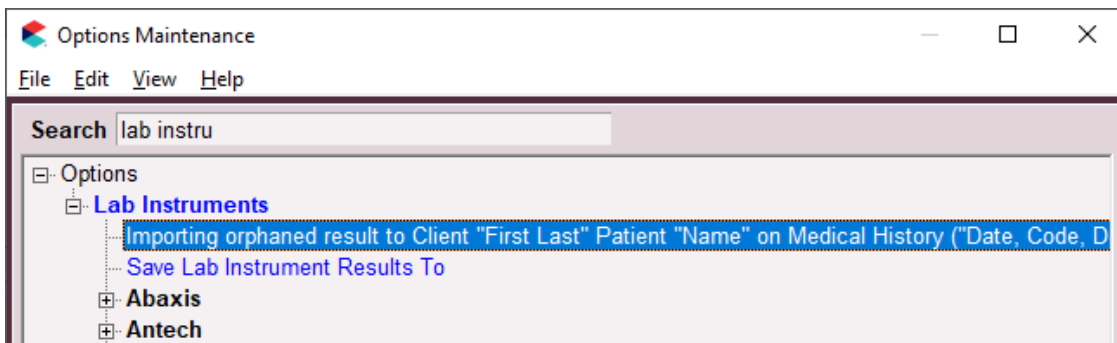
# Manually Importing Test Results

To import results:

1. In the patient's medical history, select the requisition line.
2. From the Avimark main menu, go to **Services > Requisition Management > Download Requisitions**.
3. Select **QSM Diagnostics** as the **Lab Type**.
4. Click **Load**.
5. Select the **Requisition ID** line and below, select the tests.
6. On the selected tests, **right-click > Import Results**.
7. Confirm the client, patient, and test when prompted.



The advanced option for this prompt, under Lab Instruments, is set to prompt by default. However, you can set it to **Yes** or by unchecking the **Show this message again** option on the prompt and clicking **Yes** will set that specific user to never get the prompt again.



8. Click **Yes** to import.

## Import Orphan Results

1. **Right-click** on the requisition that did not have results imported.
2. Click on **Import Results**.

**Requisition Information**

Client Name: Shaylin Harvell      Ordered at:  
 Patient Name: Amber

Client, Patient      Doctor  
 ...      DNS: David N. Sharp, DVM

Code	Description	Cost
T495	T4	52.44
<b>Import &amp; Link to Treatment:</b>		
● Create a New Treatment...		
Code	Description	Price
ATCT495	T4	52.44
SA010	Superchem w/SDMA	0
<b>Import &amp; Link to Treatment:</b>		
● Create a New Treatment...		
Code	Description	Price
ATCSA010	Superchem w/SDMA	0
T330	Complete Blood Count	47.68
<b>Import &amp; Link to Treatment:</b>		
● Create a New Treatment...		
Code	Description	Price

OK      Cancel

3. If necessary, click the **ellipsis** button next to **Client, Patient** to search for the client and patient the results should import to.
4. You can choose to **Import & Link to Treatment** (or *Create a New Treatment*).
  - ◇ You can choose not to import if the charge capture was already done for the test.

In the image above, the user opted to import the first and last test and capture the charges. The second test was already charged so it was not necessary to import and link the treatment again.

5. Click **OK**.

## Downloading a PDF of Results

1. Go to **Services > Requisition Management > Download Requisitions** tab.
2. Select **(all)** or **QSM Diagnostics** as the **Lab Type**.
3. Click the **Load** button.
4. On the requisition **right-click > Download PDF** from the shortcut menu.

This option lets you manually download any result PDF file, whether or not the **Auto import and attach Greywind Lab PDF** option is set to **True**. The PDF files will be attached to the requisition line in the patient's medical history under file attachments.