



QSM Diagnostics

User Guide

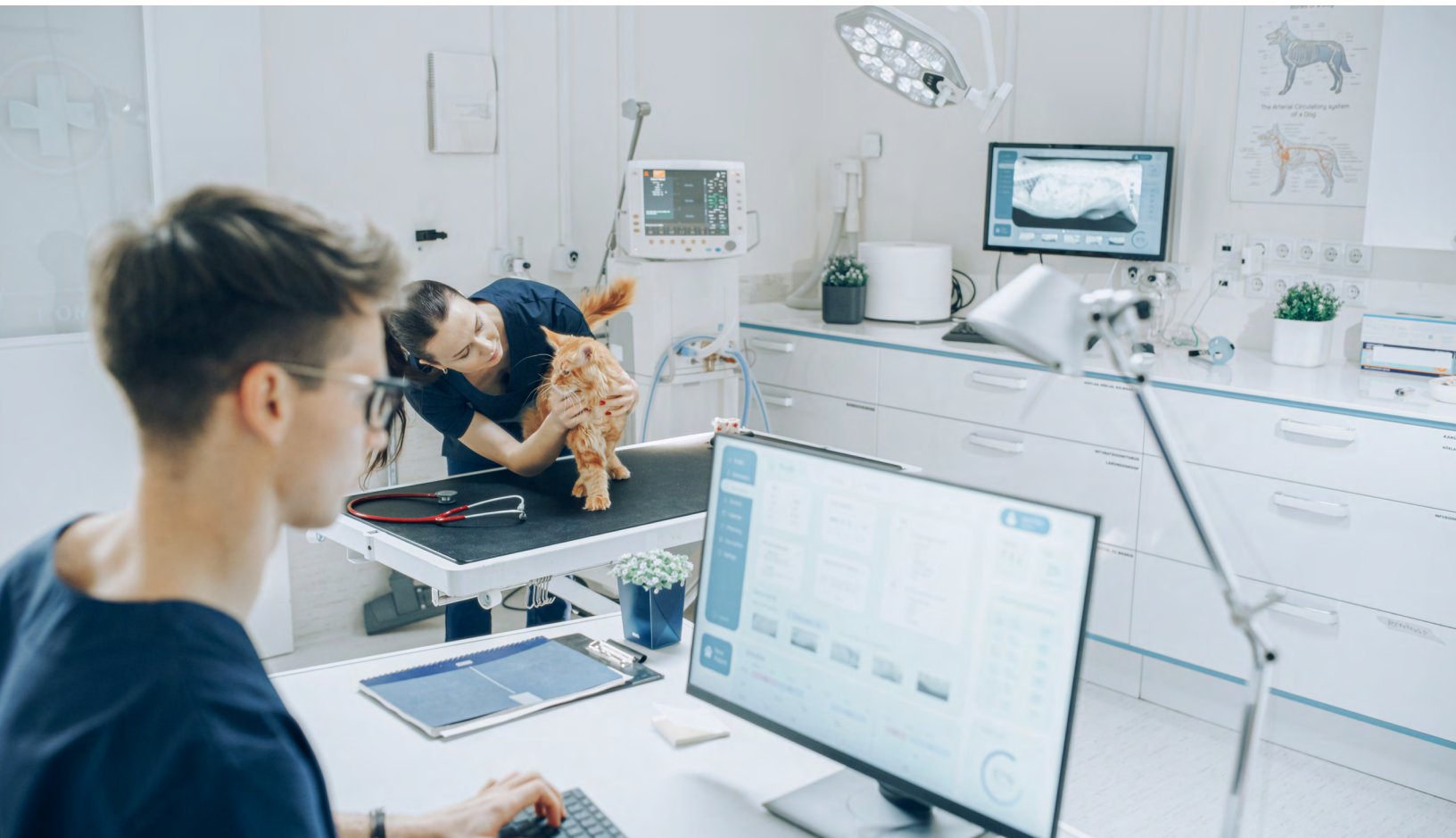


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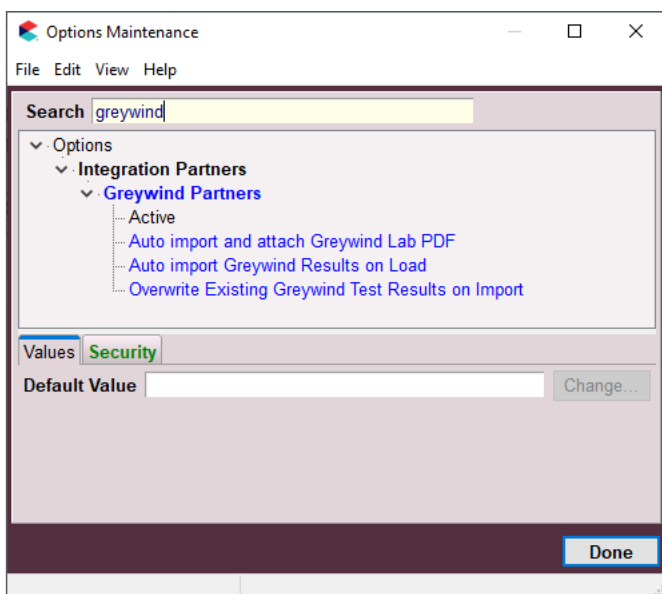
Overview

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

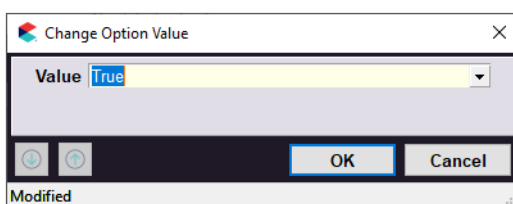
Setup

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**.



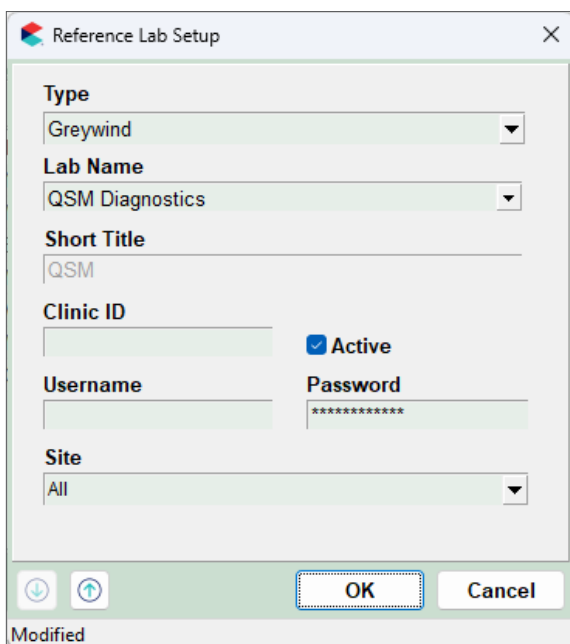
4. Click **OK**.

5. 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.
6. Click **Done** to close Options Maintenance.

Configure the Lab Partner

Enter the practice credentials for QSM Diagnostics under Laboratories Management.

1. From the menu, click on **Services > Laboratories Management**.
2. Click the **New** icon ().
3. In Reference Lab Setup, Type will be Greywind.
4. Under **Lab Name**, select QSM Diagnostics from the drop-down list.
5. Enter the **Clinic ID**, **Username**, and **Password**.
6. 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 checkbox that is checked.
- 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:** A bar with 'Modified' text and two circular icons (one with a down arrow, one with an up arrow) on the left.

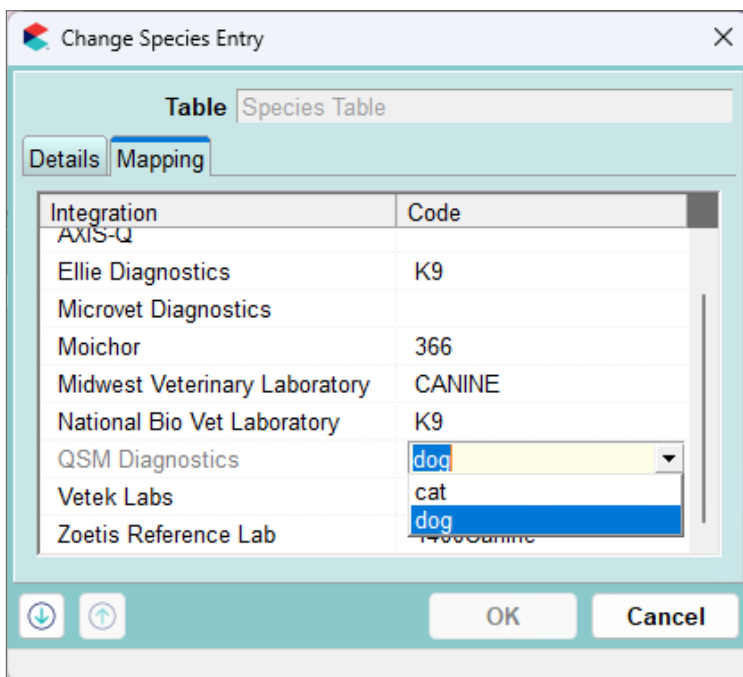
7. Click **OK** to save changes.

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.

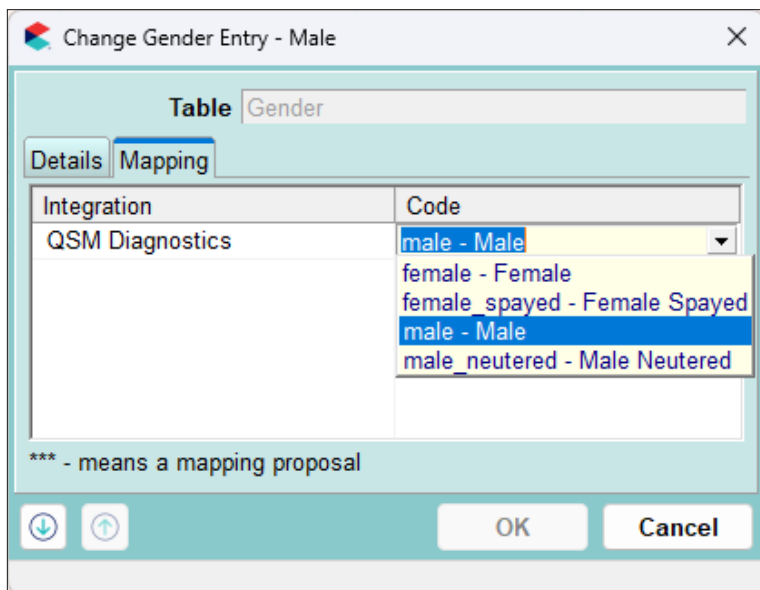


7. Select the species to match the Avimark species.
8. Click **OK** to save changes.

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. Double-click on a gender to map.
4. Click on the **Mapping** tab.
5. Next to QSM Diagnostics under **Code**, double-click.
6. From the drop-down list, select the gender.
7. Click **OK** when finished.



Change Gender Entry - Male

Table: Gender

Details Mapping

Integration	Code
QSM Diagnostics	male - Male
	female - Female
	female_spayed - Female Spayed
	male - Male
	male_neutered - Male Neutered

*** - means a mapping proposal

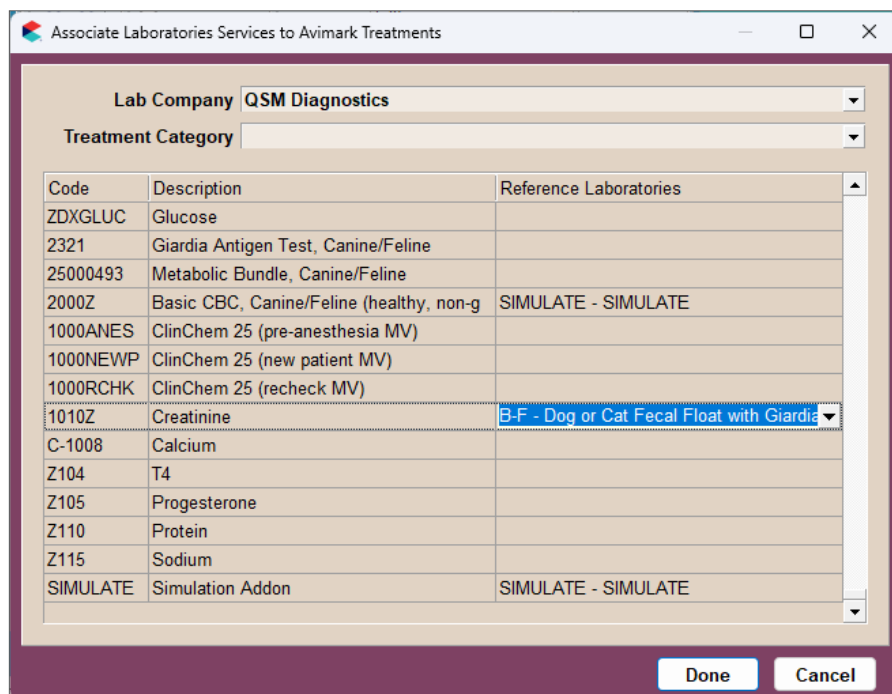
OK Cancel

Linking Tests

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

Associate Services

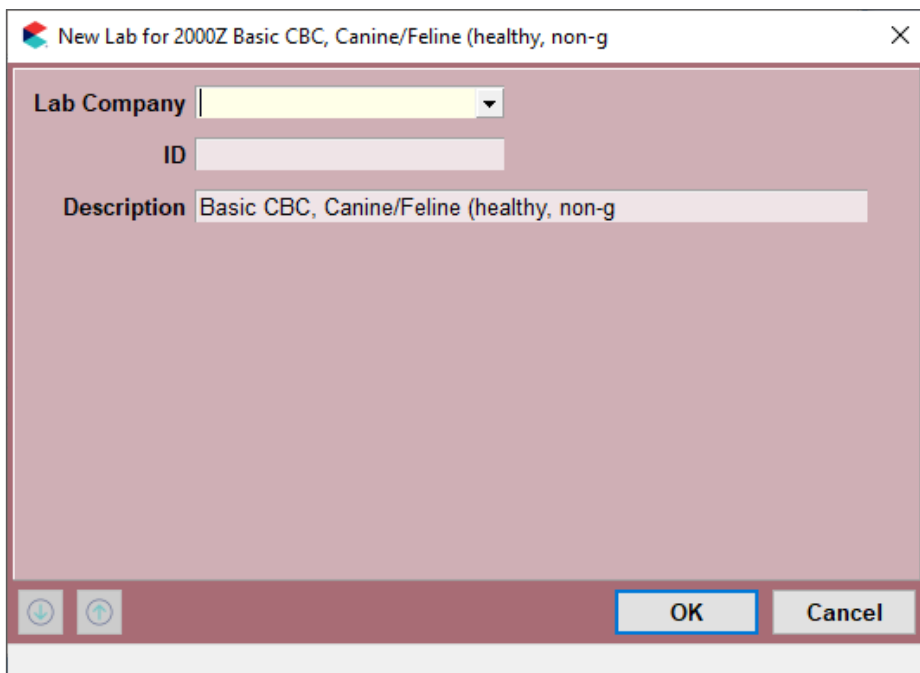
1. From the menu, click on **Work with > Treatment List**.
2. In Treatment List menu, click on **Import Lab Treatments > Associate Services**.
3. From the Lab Company drop-down list, select **QSM Diagnostics**.
4. Filter the treatment list by **Treatment Category**.
5. Under **Reference Laboratories**,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



Code	Description	Reference Laboratories
ZDXGLUC	Glucose	
2321	Giardia Antigen Test, Canine/Feline	
25000493	Metabolic Bundle, Canine/Feline	
2000Z	Basic CBC, Canine/Feline (healthy, non-g	SIMULATE - SIMULATE
1000ANES	ClinChem 25 (pre-anesthesia MV)	
1000NEWP	ClinChem 25 (new patient MV)	
1000RCHK	ClinChem 25 (recheck MV)	
1010Z	Creatinine	B-F - Dog or Cat Fecal Float with Giardia
C-1008	Calcium	
Z104	T4	
Z105	Progesterone	
Z110	Protein	
Z115	Sodium	
SIMULATE	Simulation Addon	SIMULATE - SIMULATE

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) X

Lab Company

ID

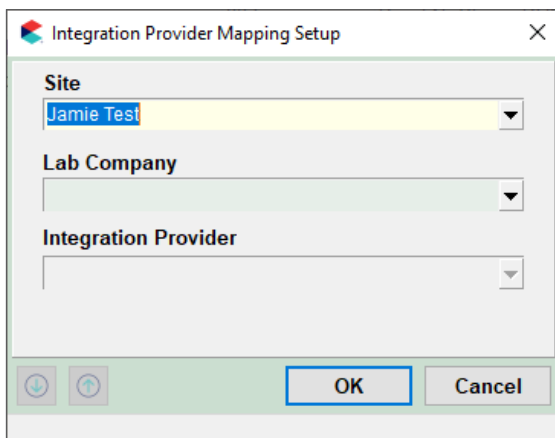
Description Basic CBC, Canine/Feline (healthy, non-g)

  OK Cancel

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**.



The dialog box is titled "Integration Provider Mapping Setup" with a close button (X) in the top right corner. It contains three dropdown menus: "Site" (with "Jamie Test" selected), "Lab Company", and "Integration Provider". At the bottom, there are two small circular icons on the left and two buttons, "OK" and "Cancel", on the right.

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



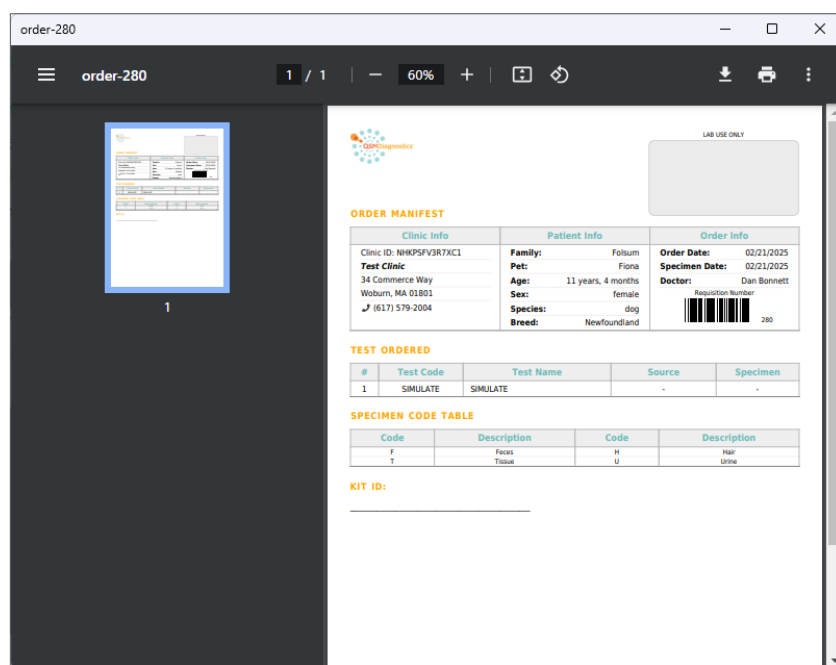
Some Lab Partners will allow you to setup the doctor on the fly by selecting "Provider not found, create a new one".

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.



The screenshot shows a web browser window titled "order-280" displaying a requisition form. The form is divided into several sections:

- ORDER MANIFEST**: Contains three sub-sections:
 - Clinic Info**: Clinic ID: NHKPSV3R7K1, Test Clinic: 34 Commerce Way, Woburn, MA 01801, (617) 579-2004.
 - Patient Info**: Family: Felsum, Pet: Fiona, Age: 11 years, 4 months, Sex: female, Species: dog, Breed: Newfoundland.
 - Order Info**: Order Date: 02/21/2025, Specimen Date: 02/21/2025, Doctor: Dan Bonnett, Requisition Number: 280.
- TEST ORDERED**: A table with 5 columns: #, Test Code, Test Name, Source, and Specimen. It contains one row: 1, SIMULATE, SIMULATE, -, -.
- SPECIMEN CODE TABLE**: A table with 4 columns: Code, Description, Code, and Description. It contains two rows: F, Feces; T, Tissue; H, Hair; U, Urine.
- KIT ID:**: A field for entering the kit ID.

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.

Requisition Management

File Edit View Help

Requisitions

Download Requisitions

Lab Type

Lab Company Name

Load

Created Date	Requisition ID	Patient	Accession ID	Lab Client Name	Lab Patient Name
08-27-24	389150	Delilah			

RequisitionEntry.I	RequisitionEntry.Description	Status	Imported Status
SIM	SIMULATION	Final	Imported

Lab Unassigned

Resend

Patient Unassigned

Done

From Download Requisitions:

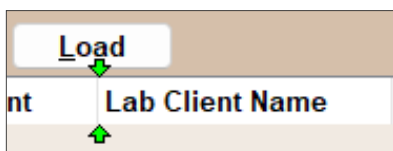
- Results being returned from the lab are displayed. When a requisition match is made, the requisition entry is displayed in black, indicating the Imported status. To display automatically imported results, select the Medical History Requisition entry in Medical History for the imported entries.
- Information 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

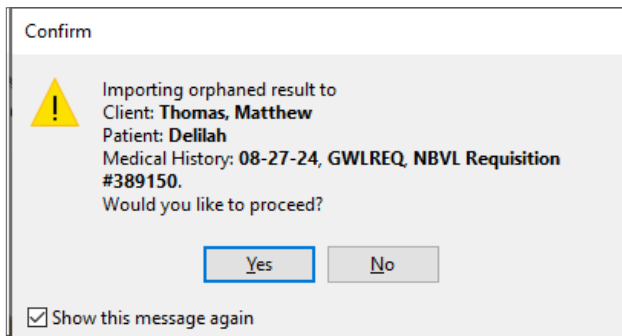
1. On the Avimark main menu, click on **Services > Requisition Management > Download Requisitions** tab.
2. Click the **Load** button.
3. On the requisition **right-click > Download PDF** from the shortcut menu.

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.

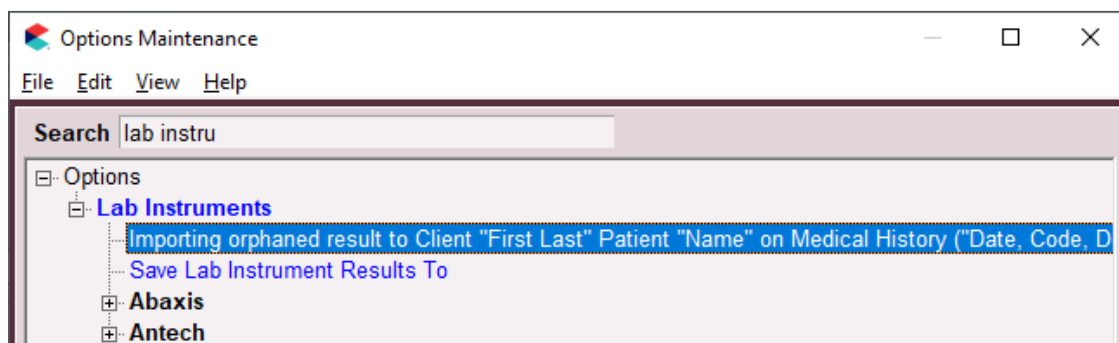
Manually Importing Test Results

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

☒ **Import & Link to Treatment:**

☒ Create a New Treatment...

Code	Description	Price
ATCT495	T4	52.44

Code	Description	Cost
SA010	Superchem w/SDMA	0

☐ **Import & Link to Treatment:**

☐ Create a New Treatment...

Code	Description	Price
ATCSA010	Superchem w/SDMA	0

Code	Description	Cost
T330	Complete Blood Count	47.68

☒ **Import & Link to Treatment:**

☒ Create a New Treatment...

Code	Description	Price
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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.