



# National Bio Vet Laboratory



**IMPROMED®**

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## Overview

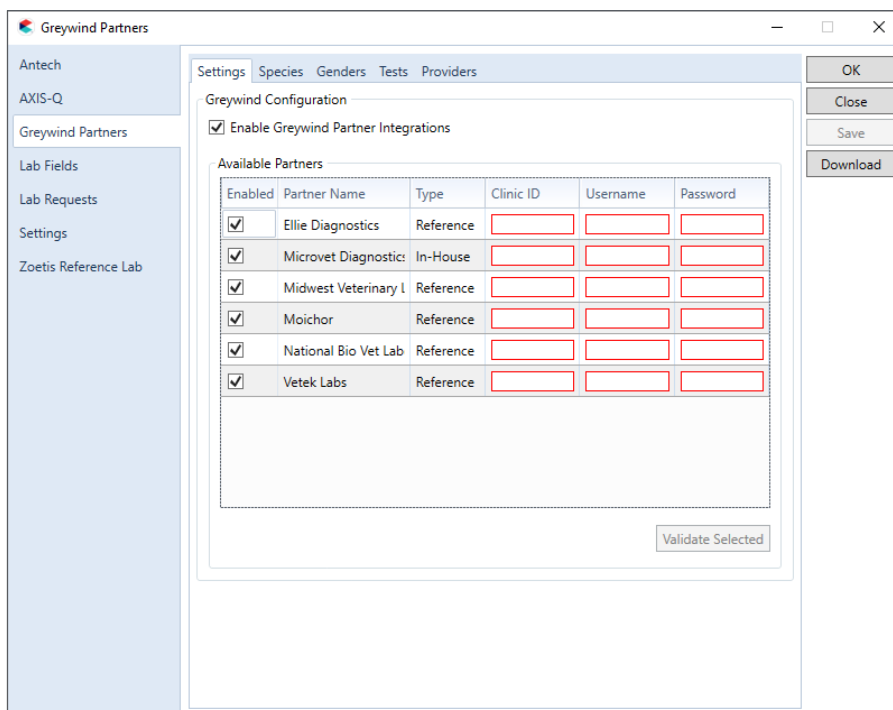
Impromed integrates with **National Bio Vet Laboratory** to provide the lab workflow from requisitioning to results.

## Setup

The steps below will go through the process to enable the use of the National Bio Vet Laboratory integration. You will need your credentials for National Bio Vet Laboratory.

### 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 **National Bio Vet Laboratory** integration.



The screenshot shows the 'Greywind Partners' configuration window. The 'Available Partners' table is as follows:

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 Diagnostic	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"/>	Vetek Labs	Reference	<input type="text"/>	<input type="text"/>	<input type="text"/>

4. Enter the credentials provided to you by National Bio Vet Laboratory.
5. Click the **Validate Selected** button. If the credentials entered could not be validated, contact National Bio Vet Laboratory 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 **National Bio Vet Laboratory** 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.

The screenshot shows the 'Greywind Partners' application window. On the left is a sidebar with navigation options: Antech, AXIS-Q, Greywind Partners (selected), Lab Fields, Lab Requests, Settings, and Zoetis Reference Lab. The main window has tabs for Settings, Species, Genders, Tests, and Providers. The 'Species' tab is active, showing a 'Greywind Partner' dropdown menu set to 'National Bio Vet Laboratory'. Below this is a table with two columns: 'Species' and 'Lab Species'. The 'Species' column lists Avian, Bovine, Canine, Equine, Feline, Mustelid, Other, and Reptile. The 'Lab Species' column shows dropdown menus for Bovine and Canine, and empty dropdowns for the other species. On the right side of the window are buttons for OK, Close, Save, and Download.

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

## Genders Tab

On the Genders tab, map the Improved genders to National Bio Vet Laboratory's genders.

1. On the **Genders** tab, select **National Bio Vet Laboratory** 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.


The screenshot shows the 'Greywind Partners' application window with the 'Genders' 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 area has tabs for Settings, Species, Genders, Tests, and Providers. A dropdown menu for 'Greywind Partner' is open, showing options: Ellie Diagnostics, Microvet Diagnostics, Midwest Veterinary Laboratory, Moichor, National Bio Vet Laboratory, and Vetek Labs. Below this, a table lists various gender codes and their corresponding lab gender selections:

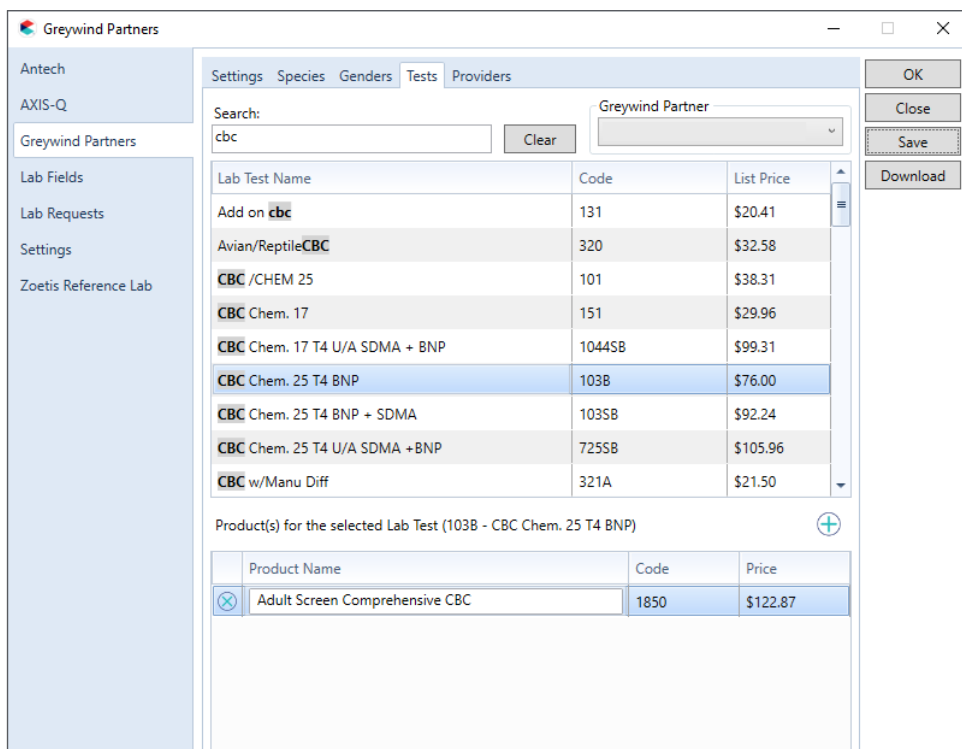
Code	Lab Gender
FS	
G	
M	Male
MF	
MN	
MR	
S	Spayed

On the right side of the window, there are buttons for OK, Close, Save, and Download.

## Tests Tab

To send lab requests to National Bio Vet Laboratory, you must map the lab tests from National Bio Vet Laboratory to an Improved 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 **National Bio Vet Laboratory** 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 Improved product to match with National Bio Vet Laboratory's lab test.




The screenshot shows the 'Greywind Partners' window with the 'Tests' tab selected. The search bar contains 'cbc'. The table below lists various lab tests with their codes and list prices. The 'CBC Chem. 25 T4 BNP' test (code 103B, price \$76.00) is selected. Below the table, a section titled 'Product(s) for the selected Lab Test (103B - CBC Chem. 25 T4 BNP)' contains a table with one product added: 'Adult Screen Comprehensive CBC' (code 1850, price \$122.87).

Lab Test Name	Code	List Price
Add on cbc	131	\$20.41
Avian/ReptileCBC	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 Name	Code	Price
Adult Screen Comprehensive CBC	1850	\$122.87

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

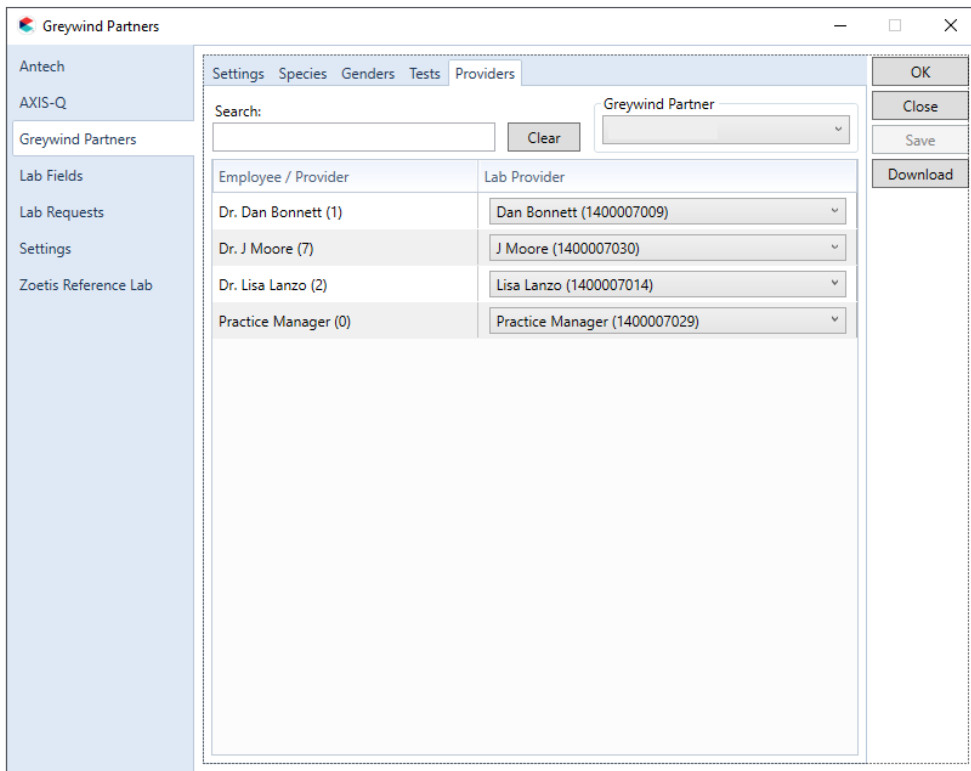
## Providers Tab

On the Providers tab, map the Employee / Provider to the Lab Provider for National Bio Vet Laboratory. 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 **National Bio Vet Laboratory** 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.

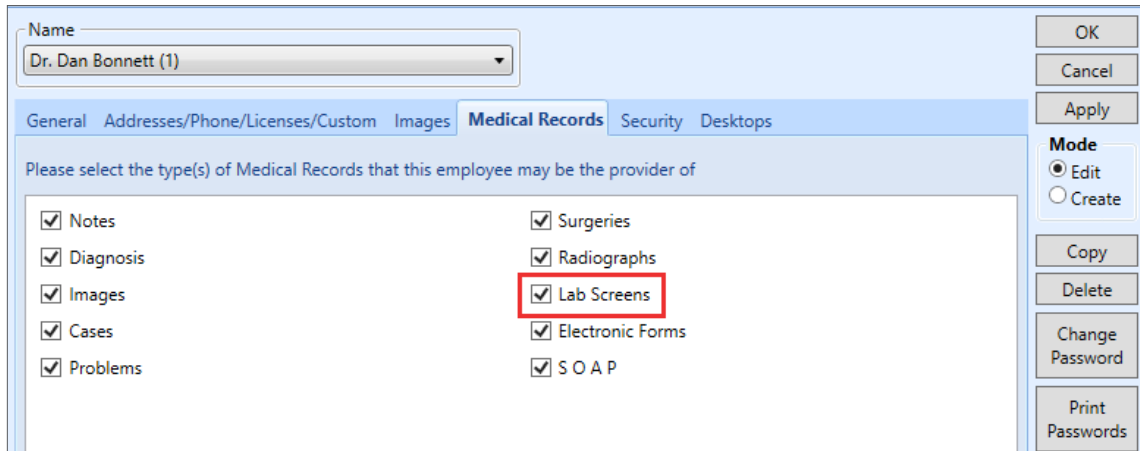
2. Under **Lab Provider**, select the employee associated with the **Employee / Provider** in Impromed.
3. Click **Save**.



# 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 titled "Employee Setup" for "Dr. Dan Bonnett (1)". The "Medical Records" tab is selected. The window contains a list of medical record types with checkboxes, all of which are checked. The "Lab Screens" checkbox is highlighted with a red rectangular box. On the right side, there are buttons for "OK", "Cancel", "Apply", "Mode" (with "Edit" selected), "Copy", "Delete", "Change Password", and "Print Passwords".

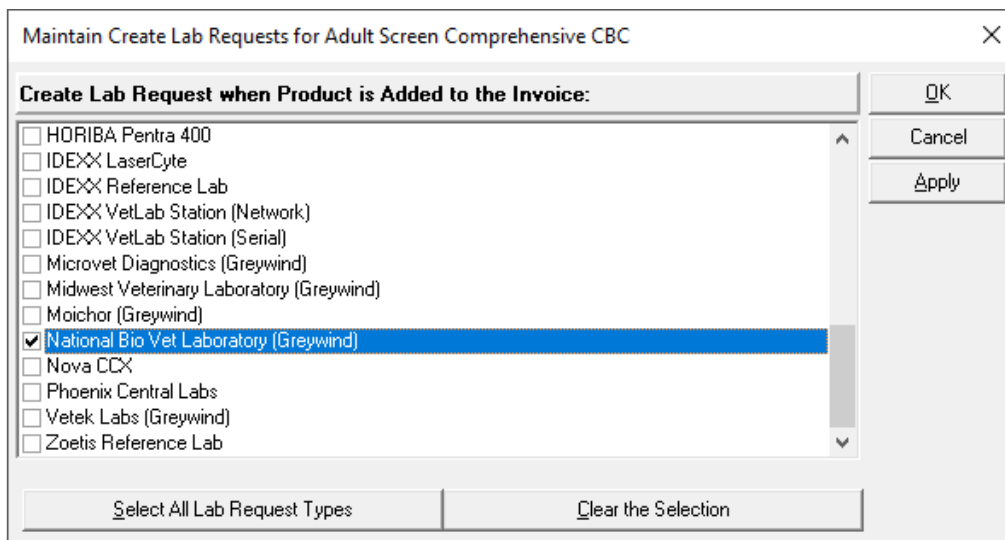
Medical Record Type	Checked
Notes	Yes
Diagnosis	Yes
Images	Yes
Cases	Yes
Problems	Yes
Surgeries	Yes
Radiographs	Yes
Lab Screens	Yes
Electronic Forms	Yes
SOAP	Yes



## Setup Product Attachments

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

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 **National Bio Vet Laboratory**.



Maintain Create Lab Requests for Adult Screen Comprehensive CBC

Create Lab Request when Product is Added to the Invoice:

- HORIBA Pentra 400
- IDEXX LaserCyte
- IDEXX Reference Lab
- IDEXX VetLab Station (Network)
- IDEXX VetLab Station (Serial)
- Microvet Diagnostics (Greywind)
- Midwest Veterinary Laboratory (Greywind)
- Moichor (Greywind)
- National Bio Vet Laboratory (Greywind)
- Nova CCX
- Phoenix Central Labs
- Vetek Labs (Greywind)
- Zoetis Reference Lab

OK  
Cancel  
Apply

Select All Lab Request Types    Clear the Selection



- If National Bio Vet Laboratory is not showing on the Maintain Create Lab list, you need to return to Greywind Setup to enable National Bio Vet Laboratory.
- If products were not linked from National Bio Vet Laboratory 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

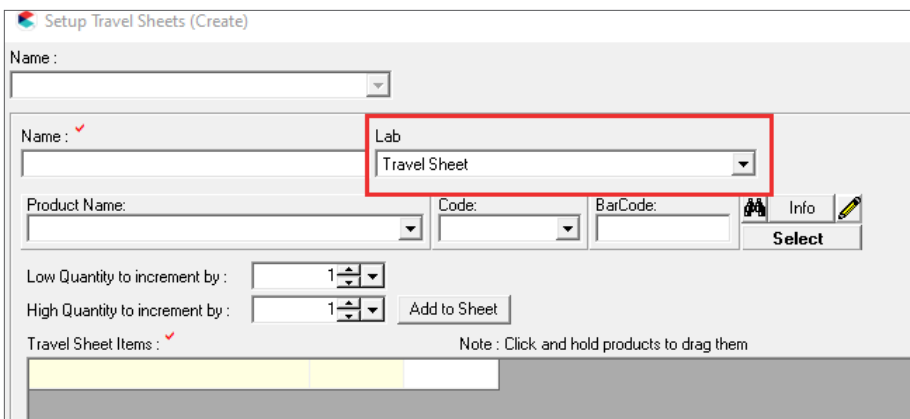
This topic presents the steps to create a travel sheet for **National Bio Vet Laboratory**.



If you did not link National Bio Vet Laboratory lab tests to Impromed products, you will not be able to create a travel sheet.

To create a travel sheet for National Bio Vet Laboratory:

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 **National Bio Vet Laboratory** from the drop-down list.



If National Bio Vet Laboratory is not showing on the Lab list, you need to return to Greywind Setup to enable the National Bio Vet Laboratory.

If products were not mapped from National Bio Vet Laboratory 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 National Bio Vet Laboratory 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.

## IULR Configuration

To receive lab results from National Bio Vet Laboratory, it is necessary to configure the Improved Universal Lab Reader (IULR).


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

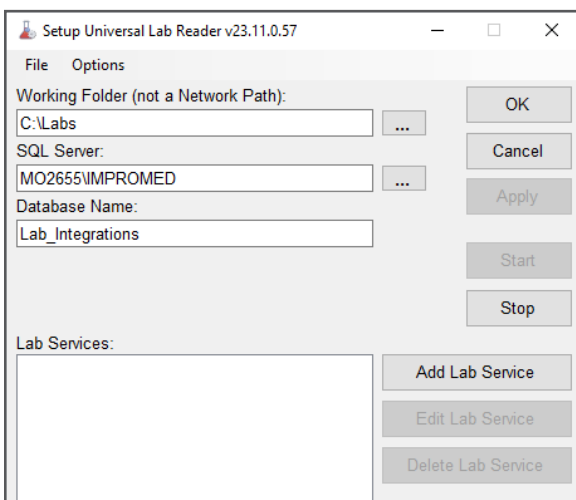
### Configure the Lab Reader

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).

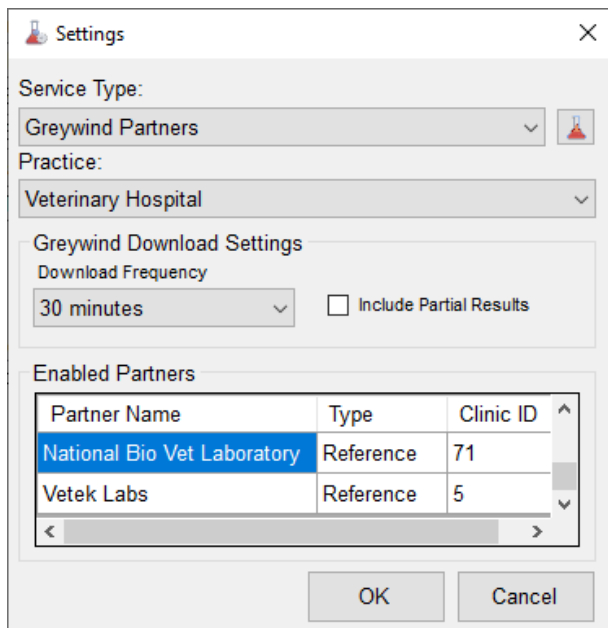


8. Click **Apply**.

## Add Lab Service

Once the IULR has been configured, now add the National Bio Vet Laboratory 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.



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

- Service Type:** Greywind Partners
- Practice:** Veterinary Hospital
- Greywind Download Settings:**
  - Download Frequency:** 30 minutes
  - Include Partial Results:**
- Enabled Partners:**

Partner Name	Type	Clinic ID
National Bio Vet Laboratory	Reference	71
Vetek Labs	Reference	5


Buttons: OK, Cancel

## Lab Requisition Workflow


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

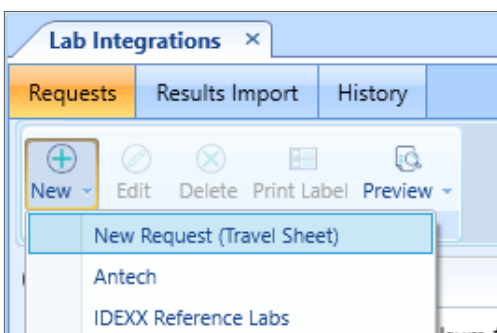
### Product Attachment Workflow

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 National Bio Vet Laboratory 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 **National Bio Vet Laboratory** sheet you created. If you have not created a National Bio Vet Laboratory 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 National Bio Vet Laboratory, 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 **National Bio Vet Laboratory Tests**, but the product is not removed from the travel sheet, a prompt will display for the operator to select the National Bio Vet Laboratory 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 National Bio Vet Laboratory's test to match the Improved product.
2. Click **OK** to save changes.

Saving the test here will link the test to the product under National Bio Vet Laboratory Greywind Partners Setup.