

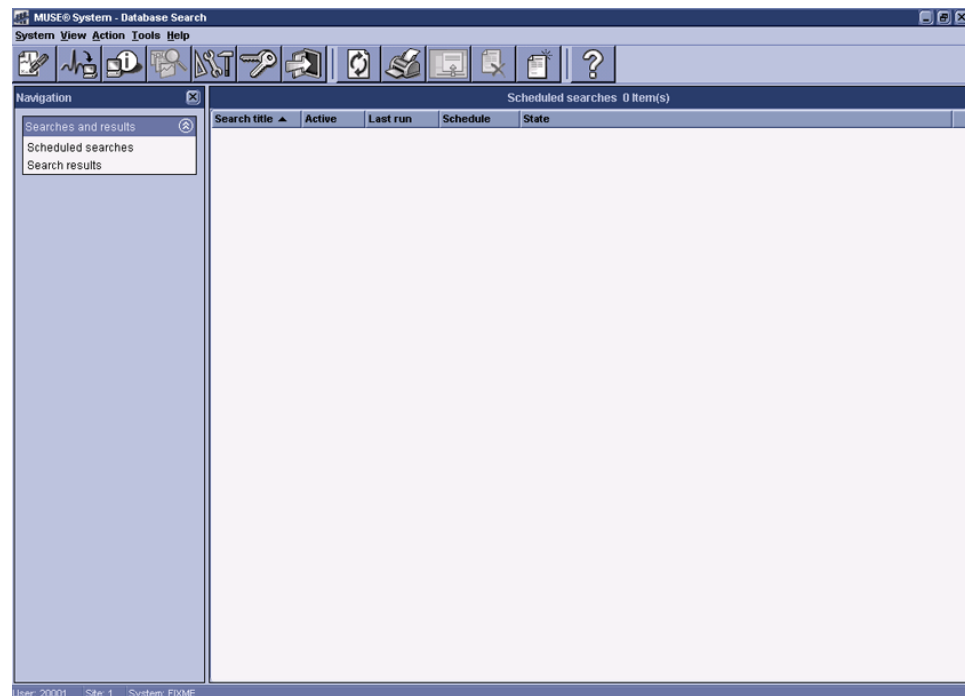
Database Search

New Search Using Pre-Defined Template

Template searches are pre-defined to allow you to obtain general statistics on a daily, weekly, or monthly basis easily and quickly. These templates can be used repeatedly.

1. Select **System > Database Search**.

The **Database Search** window opens.



2. Highlight **Scheduled searches** in the **Navigation** pane and select **Action > New Search**.

The **Select search type** window opens with a list of templates.

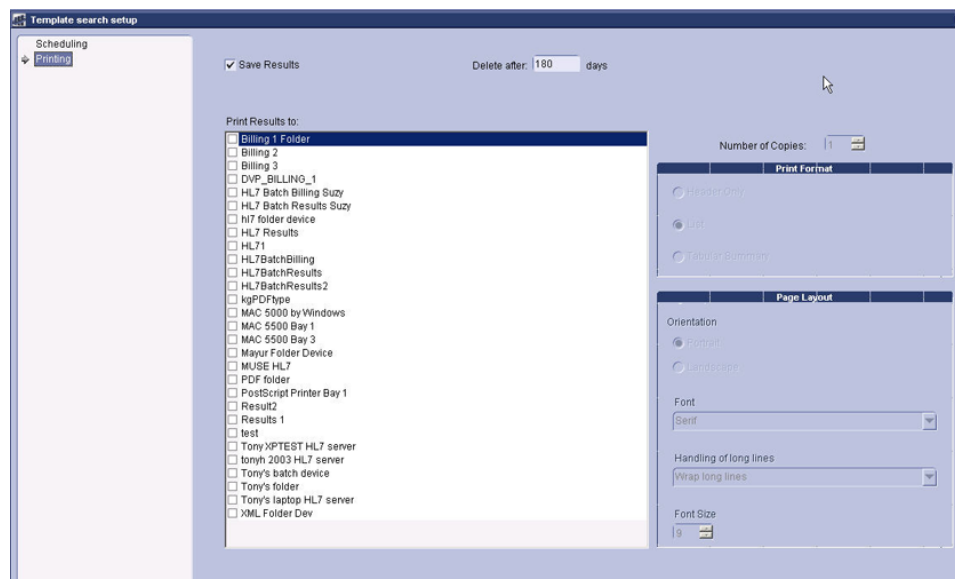
3. Select a template and click **OK**.
The **Template search setup** window opens.

4. Highlight **Scheduling** and set up the following options.

Name	Description
Report Title	Displays the default name of the report; you may change this. If you change the name, be sure to name the report as specifically as possible so that there is no confusion on what the report does. If you have multiple hospitals under one MUSE site, you may want to precede the search name with the hospital acronym.
Group	Allows you to assign this report to the Template searches group or the User-defined searches group.
Date Field	Select which type of date range you want to use for this search. Your choices are: <ul style="list-style-type: none"> • No date Range — Searches records throughout the entire database. • Acquisition Date — Based on the date on which the record was taken at the cart. • Confirmed Date — The date when the record was confirmed on the MUSE system. • Edit Date — The date when the record was last edited on the MUSE system. • Fellow Confirmed Date — The date when a fellow confirmed the record. • MUSE Acquisition Date — The date when the record arrived at the MUSE system. • Order Placement Date — The date the order was placed at the HIS. <p>The field you select displays below the Scheduling portion of the screen.</p>

Name	Description
Search range for...	Allows you to select a range of MUSE system IDs. To search all MUSE system users, select the All check box.
Manually	Select this radio button to schedule a manual search to run now or at the scheduled time Select the option buttons to Run Once Now or Run Once at Scheduled Time . Select the date range in the From and To fields as appropriate for your search. NOTE: The system schedules time to manually run searches at 2:00 a.m. You cannot change this in the Database Search application.
Daily	Select to schedule a search to run every day. Enter the number of days to delay running the report in the Days to delay running the report field. Delaying a search allows all carts to be downloaded before running the search. It is recommended that you delay the running of a daily search by at least one day.
Weekly	Select to schedule a weekly search. Select the day of the week you want it to run. The field for the previous week ending on indicates the last day of the seven day period. Therefore, if you select Sunday, the system searches from the previous Saturday to Sunday. If you select for the previous week ending on to the same day, the MUSE system goes back to the previous week to generate the report.
Monthly	Select to schedule a monthly search. Determine the delay of running the report and enter a number in Run on this day of each month for the previous . Determine if you want to use the previous Calendar month or the previous Month Ending on Day . If you select Month Ending on Day , the MUSE system goes back one complete month from the day you select.
Report Active	Select to activate the report.
Search Only Primary Overread of Multiply Overread Tests	Select to search for primary overread of multiple overread tests.
Search All Overreads of Multiply Overread Tests	Select to search all overreads of multiple overread tests.
Maximum Matches	Maximum number of matches to show for the search. This option is disabled for pre-defined templates.

5. Highlight **Printing** as shown in the following figure and set up the following.



Name	Description
Save Results	Select this check box to save the results of the search to the MUSE system. This allows you to reprint results if the original printout is misplaced or lost.
Delete Results after [] days	Type the number of days the saved results remain on the system before they are automatically purged.
Print Results to:	Select the check box next to each device where you want the results printed (for example, Overreading, M.D. or Temporary Email). You may select more than one device.
Number of Copies:	After you select your device, use the arrow keys to select the number of copies you want to print.
Print Format	Specifies the printing results format. Select from following: <ul style="list-style-type: none"> Header Only— prints the header information only, including the search title and search count. List — this is a patient list. Tabular Summary — this is a tally of search results.
Page Layout	Select the orientation of the page printout. Select between Portrait or Landscape format. Select Font type, Fixed Width , Serif , and Sans Serif Handling of long lines allows you to select how the system handles the text when text line is too long. Select Truncate long lines , Wrap Long Lines , and Split across multiple pages .
Font Size	Sets the text font size.

6. To run the search, select **OK**.
The **Template search setup** window closes.

To view the results, see “Viewing Search Results” on page 118.

User-Defined Searches

To schedule a user-defined search:

1. Select **Action > New Search**.
The **Select search type** window opens.
2. Click **User-defined search**.
3. Click **OK**.

The **User-defined search setup** window opens.

4. Set up the following.

Name	Description
Report Title	Displays the default name of the report. You may change this title. In a new user defined search, the report title is blank. If you change the name, be sure to name the report as specifically as possible so that there is no confusion on what the report does. If you have multiple hospitals under one MUSE site, you may want to precede the search name with the hospital acronym.

Name	Description
Group	Allows you to assign this report to the Template searches group or the User-defined searches group.
Date Field	<p>Select which type of date range you want to use for this search. Your choices are:</p> <ul style="list-style-type: none"> • No date Range — Searches records throughout the entire database. • Acquisition Date — Based on the date on which the record was taken at the cart. • Confirmed Date — The date when the record was confirmed on the MUSE system. • Edit Date — The date when the record was last edited on the MUSE system. • Fellow Confirmed Date — The date when a fellow confirmed the record. • MUSE Acquisition Date — The date when the record arrived at the MUSE system. • Order Placement Date — The date when the order was placed at the HIS. <p>The field you select displays below the Scheduling portion of the screen.</p>
Manually	<p>Select this radio button to schedule a manual search to run now or at the scheduled time</p> <p>Select the option buttons to Run Once Now or Run Once at Scheduled Time.</p> <p>Select the date range in the From and To fields as appropriate to your search.</p> <p>NOTE: The system schedules time to manually run searches at 2:00 a.m. You cannot change this in the Database Search application.</p>
Daily	<p>Select to schedule a search to run every day.</p> <p>Enter the number of days to delay running the report in the Days to delay running the report field.</p> <p>Delaying a search allows all carts to be downloaded before running the search. It is recommended that you delay the running of a daily search by at least one day.</p>
Weekly	<p>Select to schedule a weekly search.</p> <p>Select the day of the week you want it to run. The field for the previous week ending on indicates the last day of the seven day period. Therefore, if you select Sunday, the system searches from the previous Saturday to Sunday. If you select for the previous week ending on to the same day, the MUSE system goes back to the previous week to generate the report.</p>

Name	Description
Monthly	Select to schedule a monthly search. Determine the delay of running the report, and enter a number in Run on this day of each month for the previous . Determine if you want to use the previous Calendar month or the previous Month Ending on Day . If you select Month Ending on Day , the MUSE system goes back one complete month from the day you select.
Report Active	Select to activate the report.
Search Only Primary Overread of Multiply Overread Tests	Select to search for primary overread of multiple overread tests.
Search All Overreads of Multiply Overread Tests	Select to search all overreads of multiple overread tests.
Maximum Matches	Maximum number of matches to show for the search.

5. Highlight **Parameters**.

6. Select a search field category from the list.

- **General**
- **Resting ECG**
- **HiRes**

- **Stress**
- **Holter**

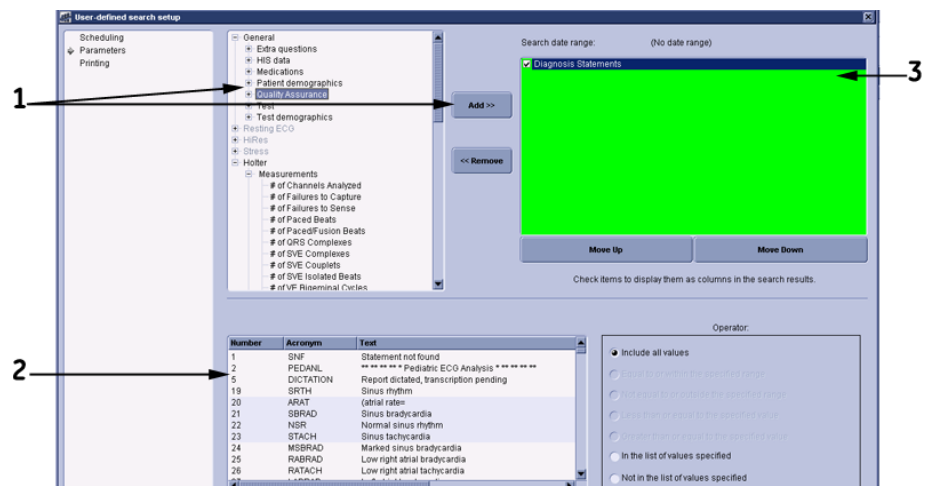
- Click on the + sign to expand the category.
- Highlight the parameter and click **Add** to add it to the search list. A check mark displays next to the item in the criteria box on the right. To have the field appear as a column in the search results page, leave the box checked

Some common categories are as follows:

Name	Description
Patient Demographics	Allows you to select fields related to the patient, such as patient full name, patient ID, gender, age, height, weight, and so on. Double-click on the item to add it to the criteria box to the right.
Test Demographics	Test Demographics allows you to select a criterion related specifically to the test itself. These include: Acquisition Date and Time, the Referring, Ordering, and Overreading Physicians, and so on.
Resting ECG	Select Resting ECG to search on a specific criteria, such as diagnosis statement.

Another window may open for you to select one or more values to search.

For example, if you select **Diagnosis Statements** as the search field, an acronym list is displayed where you may select **Sinus rhythm** as a value. To select multiple values, double-click the statement while holding down the **Ctrl** key. The values selected are visible in the criteria list with an "or" between them, indicating that if the diagnosis of any of these ECGs being searched has any of these values, the record satisfies the criteria.



(1) Select Search Field and click Add. (2) Select one or more values to search by double-clicking the value while holding down the Ctrl key. (3) The value is displayed.

- To search for ECGs with a combination of multiple acronyms in the diagnosis, add the **Diagnosis Statement** criteria to the criteria list twice with the statement you want included within the diagnosis. For example,

if you want to find patients with both Acute MIs and Atrial Fibrillation, you add one Diagnosis statement line equal to Acute MI and another Diagnosis statement equal to Atrial Fibrillation. Both lines are visible in the statement criteria list.

Once you select your search parameters, you may move them up or down in the column.

- d. Highlight the search field and click **Move up** or **Move down** to rearrange the order of the search criteria.

The order in which they display is the order in which they are displayed in the results table. The results table is sorted by the first checked parameter on the list.

7. In the **Operator** field, specify a chosen value for the parameter selected in Step 6.

Name	Description
<i>Include all values</i>	The MUSE system displays any value entered into the data field for each patient record.
<i>Equal to or within the specified range</i>	The MUSE system searches for patients that have values within the specified range or with the single value entered in the field labeled Low Value or Single Value . For example, if you select the patient age parameter and you are searching for patients between the age of 50 to 60, you enter 50 in the Low Value or Single Value field and 60 in the High Value field.

Name	Description
<i>Not equal to or outside the specified range</i>	Allows you to set a range or specific value that you do not want the criteria to equal. For example, setting a value of 50 to 60 results in a search of all values outside this range.
<i>Less than or equal to the specified value</i>	The MUSE system searches for all values that are less than or equal to a specified value.
<i>Greater than or equal to the specified value</i>	The MUSE system searches for all values that are greater than or equal to a specified value.
<i>In the list of values specified</i>	The MUSE system searches only among the list of values specified for the field.
<i>Not in the list of values specified</i>	The MUSE system searches for all values not among the list of values specified for the field.
<i>Empty value</i>	The MUSE system searches for all the empty values for the field.
<i>Not empty value</i>	The MUSE system searches for all non-empty values for the field.

8. Highlight ***Printing***.
The ***Printing*** window opens.
9. Set the following.

Name	Description
<i>Save Results</i>	Select this check box to save the results of the search to the MUSE system. This allows you to reprint results if the original printout is misplaced or lost.
<i>Delete Results after [] days</i>	Type the number of days the saved results remain on the system before they are automatically purged.
<i>Print Results to:</i>	Select the check box next to each device where you want the results printed (for example, Overreading, M.D. or Temporary Email). You may select more than one device.
<i>Number of Copies:</i>	After you select your device, use the arrow keys to select the number of copies you want to print.
<i>Print Format</i>	Specifies the printing results format. Select from following: <ul style="list-style-type: none"> • <i>Header Only</i>— prints the header information only, including the search title and search count. • <i>List</i> — this is a patient list. • <i>Tabular Summary</i> — this is a tally of search results.

Name	Description
Page Layout	Select the orientation of the page printout. Select between Portrait or Landscape format. Select Font type, Fixed Width , Serif , and Sans Serif Handling of long lines allows you to select how the system handles the text when text line is too long. Select Truncate long lines , Wrap Long Lines , and Split across multiple pages .
Font Size	Sets the text font size.

10. To run the search, select **OK**.
The **User-defined search setup** window closes.
11. To view the results, see [“Viewing Search Results” on page 118](#). Make sure the **Save Results** check box is enabled so that the search results are saved.

Editing an Existing Search

1. Highlight **Scheduled searches** in the **Navigation** pane.
2. On the **Scheduled searches** window, double-click on the specific search to edit the scheduled search.
The **Template search setup** window opens.
3. Repeat Steps 4-6 at [“New Search Using Pre-Defined Template” on page 107](#) to modify the search parameters.

Copying User-Defined Search

NOTE:

You can only copy user-defined searches. You cannot copy pre-defined templates.

1. Highlight **Scheduled searches** at the **Navigation** pane.
2. At the **Scheduled searches** window, highlight the search name.
3. Right-click and select **Copy**.
The **User-defined search setup** window opens.
4. Repeat Steps 4-6 at [“User-Defined Searches” on page 111](#) to modify the search parameters.

Viewing Search Results

1. In the **Navigation** pane, select **Search Results**.
2. On the **Search Results** window, highlight and double-click the search you want to view.

The **Search Results** window opens.

Report Title: Which/how many tests were edited by each user

Edit Date: 12/1/2009 12:00:00 AM - 2/18/2010 11:59:59 PM

Date Run: 2/18/2010 2:30:13 PM

Total records found: 13

Patients: 10

Editor ID: All values

☒ Details ☐ Tabular Summary ☐ Hourly Breakdown

☐ Display full result set

Copy

Editor ID	Editor Last Name	Patient ID	Patient Last Name	Patient First Name	Edit Date	Type
		TEST DEMO 000000	TEST-DEMO	TEST-DEMO	16-Feb-2010 14:35:20	GXT
		TEST DEMO 000000	TEST-DEMO	TEST-DEMO	16-Feb-2010 15:46:16	GXT
		TEST DEMO 000000	TEST-DEMO	TEST-DEMO	16-Feb-2010 15:43:47	GXT
		TEST DEMO 000000	TEST-DEMO	TEST-DEMO	16-Feb-2010 15:39:30	GXT
100	Mikulich	666666666	Test	Jim	16-Feb-2010 13:35:50	ECG
200	Mikula	11-11-111	One	Patient	16-Feb-2010 14:58:40	GXT
200	Mikula	740005112	Tondreau	Greg	16-Feb-2010 13:59:53	ECG
789	editor	033333333	restored	setup	12-Feb-2010 14:58:15	ECG
12345	D	121212121			16-Feb-2010 02:07:09	ECG
12345	D	401 023 2137	ass	aa	17-Feb-2010 23:53:19	ECG
20001	MuseAdmin	000000003032	DOE	JOHN	12-Feb-2010 13:20:59	ECG
20002	MuseBkgnd	000151926	CNVRT MAR/19/96	CONVERSION	12-Feb-2010 13:56:47	ECG
20002	MuseBkgnd	000000001	Picard	John Luc	12-Feb-2010 13:56:58	ECG

Print results Export results Print selected tests Print all tests Close

Search Results window for Clinical Site

Report Title: Which/how many tests were acquired for each location

Date Run: 2/18/2010 12:44:27 PM

Total records found: 1

Patients: 1

Location: All values

☒ Details ☐ Tabular Summary ☐ Hourly Breakdown

☐ Display full result set

Reanalyze Copy

Location	Abbreviation	Patient ID	Patient Last Name	Patient First Name	Acquisition Date	Type
0	DEFLT	6ABCDYKZB NPYB 5	6ABCDYKZB NPYB 5	6ABCDYKZB NPYB 5	11-Mar-2009 15:03:47	GXT

Print results Export results Print selected tests Print all tests Close

Search Results window for Research Site

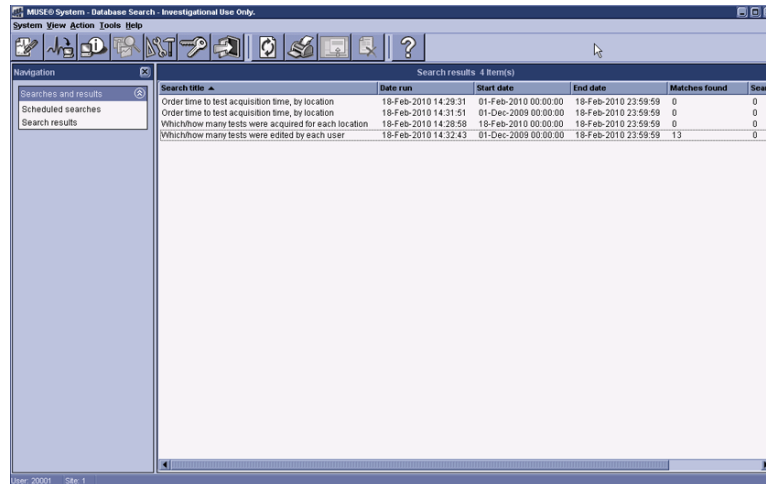
3. You may select from the following:

Option	Description
Details	Click to view a list of all patient records that matched the search criteria. To view a patient test, double-click on it in the search results window. A Report Viewer window opens allowing you to view or print the report or ECG.
Tabular Summary	Click to view the breakdown of every record count for the main search criteria.
Hourly Breakdown	Click to view the breakdown of tests done per hour for the last 24 hours. This report is helpful in reviewing staffing needs.
Display full result set	Click to display the full results of the search. NOTE: This check box will only be enabled only if there are more than 5,000 rows returned in the search results set.
Copy	Click to copy a selected test to a different site. The Select Site window opens. Select the site and click OK .
Reanalyze (Research Site only)	Select a test in the search results. Click Reanalyze to manually reanalyze it using any algorithm on the system. This feature is available only at Research Sites.
Print Results	Click to print the search results displayed on the screen in a report format. The Select Printer and Formatting Options window opens. Set up the appropriate printing and formatting options and click OK .
Export results	Click to export the search results in a spreadsheet format The Save As window opens. Save the results to the appropriate location.
Print selected tests	To print selected tests, highlight the tests you want to print and click Print Selected Tests . The Select Printer and Formatting Options window opens. Set up the appropriate printing and formatting options and click OK .
Print all tests	Click to print all the tests in the search result window.

4. Click **Close** to exit the **Search Results** window.

Printing Report from Search Results Directory

1. Highlight the report on the **Search Results** window.



2. Select **Actions > Print Results**.
The **Select Device and Formatting Options** window opens.
3. Select the appropriate settings and click **OK**.
The report prints at the specified device.

Locking/Unlocking a Search

You may lock a search to prevent accidental deletion or editing of a search.

1. At the **Scheduled searches** window, highlight the appropriate scheduled search.
2. Select **Action > Lock/Unlock**.
If the search was unlocked, this locks it.
If the search was locked, this unlocks it.

Deleting a Search

1. On the **Scheduled searches** window, highlight the appropriate search and select **Action > Delete**.
A message is displayed.
2. Select **Yes** to delete the search or **No** to cancel.

Toolbar

The toolbar provides access to many of the same commands in the menu bar. To identify a toolbar icon, hold the pointer over it. A tooltip describing the command becomes visible. See [Appendix A "Toolbar Icons & Keyboard Shortcuts" on page 193](#) for a description of the **Database Search** toolbar icons.

Setup Options

Select **Tools > Options** to define the **Scheduled search** and **Search results** options.