



American  
Proficiency  
Institute

*Innovative Solutions - Technical Excellence*

# API ImageViewer

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*Virtual Microscopy*

API ImageViewer Instructions

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## **Overview**

American Proficiency Institute (API) has integrated the latest technology with proficiency testing to enhance the microscopy experience. The *API ImageViewer* simulates a microscope, allowing laboratories to view a virtual image of the selected cells/objects as well as the surrounding fields. Some of the features include:

- Easy to maneuver
- High resolution image
- Ability to view entire slide
- Can be used for training purposes
- More closely resembles a patient specimen
- Allows for group discussion after the test event

With just a few simple controls, laboratories are able to:

- Toggle to full screen
- Navigate around the slide
- Zoom in and out to desired magnification
- Adjust the brightness and contrast of the image
- Determine the diameter of the cell/object in microns with the measuring tool

This new technology more closely resembles a patient specimen, allowing laboratories to identify the cells/objects with more confidence. To get started, use the instructions on the following pages.

## Getting Started – Selecting the Result Form

Log into API Paperless Proficiency Testing. Proceed to the result entry screen for the virtual program using the following instructions. If you are already on this screen, skip to page six.

Select **MANAGE RESULTS** to see a list of your Current Result Forms.

Select the Result Form and Kit.


**ENTER RESULTS**

Current Events    Event History

You must submit your results by the due date for them to be evaluated. After submitting, be sure to click the 'Event History' button above to access your Attestation Statement and print final results for documentation purposes.


Select to enter or review test results	View	Due Date (Eastern US Time)	Status
<a href="#">Chemistry - Core - 1st Event (Kit 1)</a>	<a href="#">Instructions &amp; Worksheets</a>	Dec 31 @ 11:59PM	Not Started
<a href="#">Microbiology - 1st Event (Kit 1)</a>	<a href="#">Instructions &amp; Worksheets</a>	Dec 31 @ 11:59PM	Not Started
<a href="#">Hematology / Coagulation - 1st Event (Kit 1)</a>	<a href="#">Instructions &amp; Worksheets</a>	Dec 31 @ 11:59PM	Not Started
<a href="#">Immunology / Immunochemistry - 1st Event (Kit 1)</a>	<a href="#">Instructions &amp; Worksheets</a>	Dec 31 @ 11:59PM	Not Started

## Getting Started – Select the Test



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**ENTER OR REVIEW TEST RESULTS**

Enter test results for each sample set from the list below. When you have completed all results for a sample set, a **✓** will appear next to the selection. If you have not selected a test method where required or entered all required results, an **✗** will appear.

[API DataDirect](#) 


TESTS	SAMPLES	<a href="#">PRINT ALL</a>
<a href="#">Blood Cell Identification</a>	BCI-01, BCI-02, BCI-03, BCI-04, BCI-05, BCI-06, BCI-07	<a href="#">PRINT</a>
<a href="#">Hematology - 5S</a>	XE-01, XE-02, XE-03, XE-04, XE-05	<a href="#">PRINT</a>
<a href="#">Sperm Motility</a>	MOT-01, MOT-02	<a href="#">PRINT</a>

**Results Complete, Go to Next Step**

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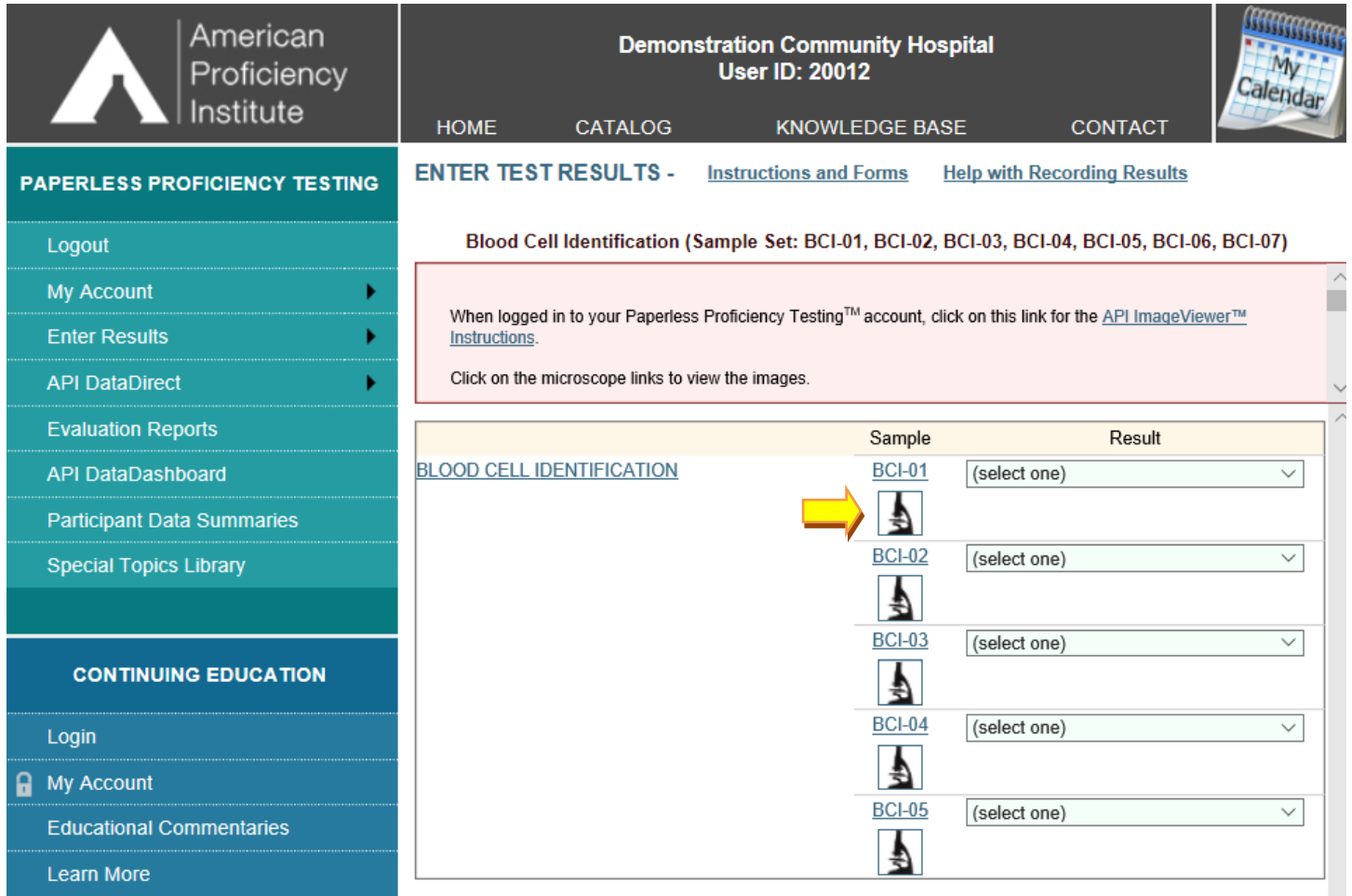
 [Credits Awarded](#)

## Opening the API ImageViewer






You can access the ImageViewer by clicking on any of the microscope links located under each sample  number.

If you hover over the microscope with your cursor, you will see a preview of the image for that sample number.

Click on the microscope to go directly to the cell/image that corresponds with that sample number.



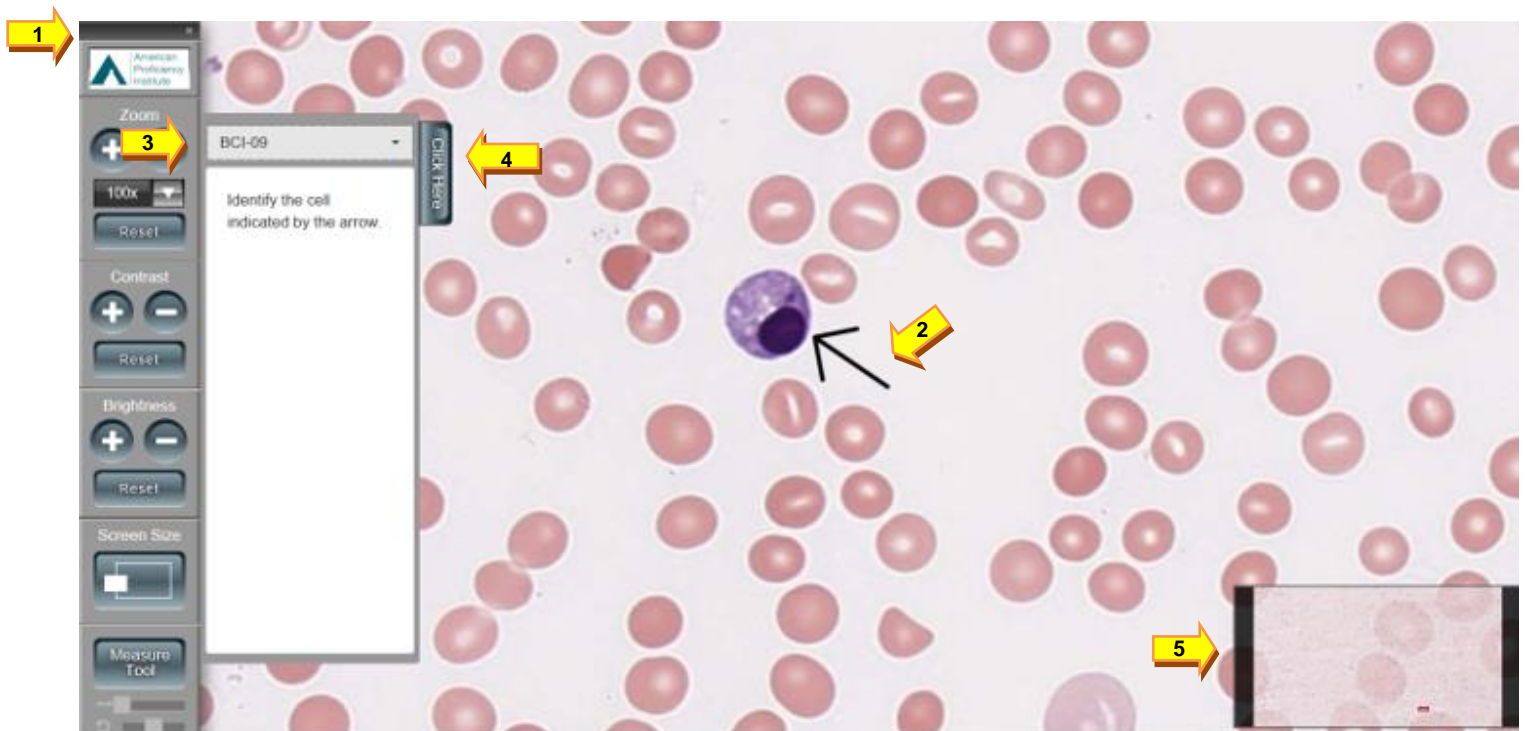
The screenshot shows the American Proficiency Institute website. The header includes the logo and name of the institute, the user information for "Demonstration Community Hospital" with "User ID: 20012", and navigation links for HOME, CATALOG, KNOWLEDGE BASE, and CONTACT. A "My Calendar" icon is also present. The main content area is titled "ENTER TEST RESULTS" and includes links for "Instructions and Forms" and "Help with Recording Results". Below this, a section for "Blood Cell Identification" (Sample Set: BCI-01, BCI-02, BCI-03, BCI-04, BCI-05, BCI-06, BCI-07) contains a pink instruction box. The box states: "When logged in to your Paperless Proficiency Testing™ account, click on this link for the [API ImageViewer™ Instructions](#). Click on the microscope links to view the images." Below the instruction box is a table with columns for "Sample" and "Result". The table lists samples BCI-01 through BCI-05, each with a microscope icon and a dropdown menu set to "(select one)". A yellow arrow points to the microscope icon for BCI-01. The left sidebar contains navigation menus for "PAPERLESS PROFICIENCY TESTING" (Logout, My Account, Enter Results, API DataDirect, Evaluation Reports, API DataDashboard, Participant Data Summaries, Special Topics Library) and "CONTINUING EDUCATION" (Login, My Account, Educational Commentaries, Learn More).

Sample	Result
<a href="#">BCI-01</a> 	(select one) ▾
<a href="#">BCI-02</a> 	(select one) ▾
<a href="#">BCI-03</a> 	(select one) ▾
<a href="#">BCI-04</a> 	(select one) ▾
<a href="#">BCI-05</a> 	(select one) ▾

## API ImageViewer - The Basics

When the ImageViewer opens, you will see the patient slide. The example below shows a peripheral blood smear.

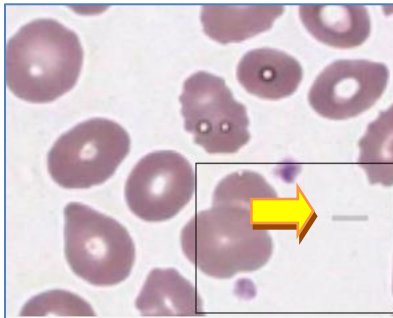
1. The tool bar is located on the left side of the screen.
2. The cell currently selected for identification may be displayed within a circle or by an arrow.
3. The sample ID number for the cell within the circle is shown in the annotation slide bar.
4. To open and close the annotation slide bar, select **Click Here**.
5. The box in the lower right-hand corner of the screen contains a thumbnail which shows the location of the viewing area on the slide.



## API ImageViewer – Navigating Around the Slide

You can navigate around the slide by:

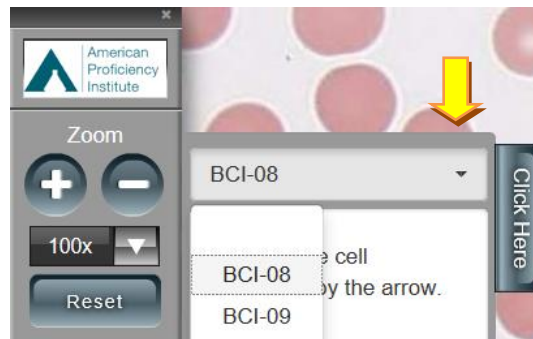
1. Clicking and dragging the screen.
2. Pressing the arrows on your keyboard.
3. Clicking and dragging the thumbnail located in the lower right-hand corner of the screen.



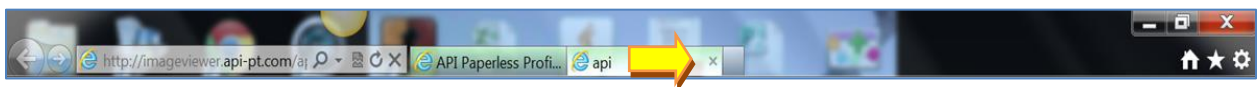
You can locate the other cells for identification two ways:

1. Click the drop-down arrow in the annotation slide bar to choose another cell.

**Please note: If the sample ID number is not listed, go to step 2.**



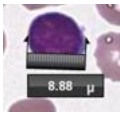


2. Close the ImageViewer by clicking on the “x” for the ImageViewer tab. This will take you back to the result entry page. From this screen, you can click on the microscope under the sample number you would like to view.






## API ImageViewer – The Tool Bar

The following graphic illustrates the Tool Bar features.

<p>To move the tool bar, click on the top bar and drag to desired location.</p>		<p>To view the annotation slide bar, select Click Here. From this bar, you can choose different sample numbers. Click on the drop-down box to make your selection. If applicable, additional notes regarding the sample will be displayed here.</p>
<p><b>Zoom:</b> To adjust the Zoom, click the + and – buttons. You may also click the down arrow to reveal the manual slide bar. Click the Reset button to return to the default magnification.</p>		
<p><b>Contrast and Brightness:</b> To adjust the Contrast and Brightness, click the + and – buttons. Click Reset to return to the original image.</p>		
<p><b>Screen Size:</b> To toggle to full screen, click Screen Size button. To exit full screen mode, click button again or press Esc.</p>		
<p><b>Measure Tool:</b> To measure a cell/object, click Measure Tool and the tool will appear on your image. Click and drag to the desired cell. Line up the tool along the left side of the cell/object. To measure the cell/object, click on the right side of the tool to drag and line up on the right side of the cell. The diameter will appear in microns.</p>  <p>You can also adjust the size using the slide feature button.  Click on the gray box and drag or use the arrow keys on your keypad to adjust the size.</p> <p>Click  to rotate.</p> <p>To remove the Measure Tool, click the Measure Tool button on the tool bar.</p>		


## Reporting Results

To report your results online, return to the Enter Test Results screen. Click the arrow in the drop-down box to display the result choices. To make your selection, click to highlight it. Click **Save** at the bottom of the page once you have entered all of your results.



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ENTER TEST RESULTS - [Instructions and Forms](#) [Help with Recording Results](#)

**2018 Hematology / Coagulation - 1st Event (Kit 1)**  
Blood Cell Identification (Sample Set: BCI-01, BCI-02, BCI-03, BCI-04, BCI-05, BCI-06, BCI-07)

When logged in to your Paperless Proficiency Testing™ account, click on this link for the [API ImageViewer™ Instructions](#).

Click on the microscope links to view the images.

Sample	Result
<a href="#">BLOOD CELL IDENTIFICATION</a>	
BCI-01 	(select one) ▼
BCI-02 	(select one) ▼
BCI-03 	(select one) ▼
BCI-04 	(select one) ▼
BCI-05 	(select one) ▼

