


# Basic Sizing Analysis

## Quick Reference Card

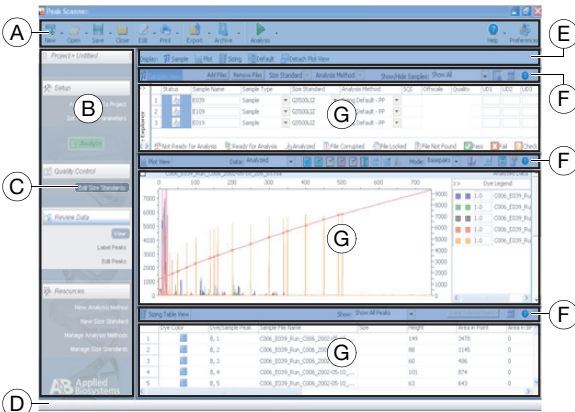
This quick reference card describes an analysis workflow for Peak Scanner™ Software Version 1.0 using data included with the software installation.

**Note:** This workflow does not include instructions for editing or managing size standards or analysis methods.

### Launch the Peak Scanner Software

- Click  (Peak Scanner™ Software)  
or
- Select Start ▶ Programs ▶ Applied Biosystems ▶ Peak Scanner v1.0 ▶ Peak Scanner v1.0.

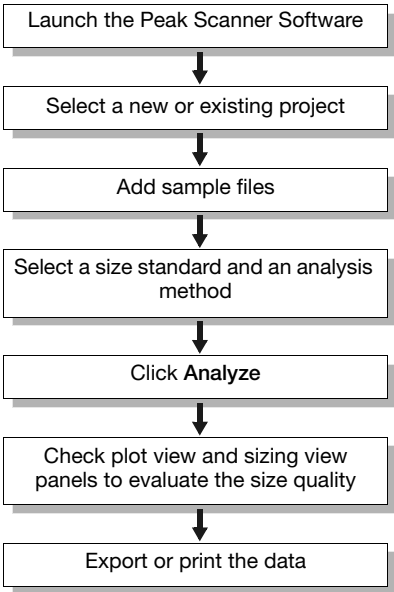
### Components to the Peak Scanner Software Main Window



A	Application Toolbar
B	Task Pane
C	Page
D	Project View

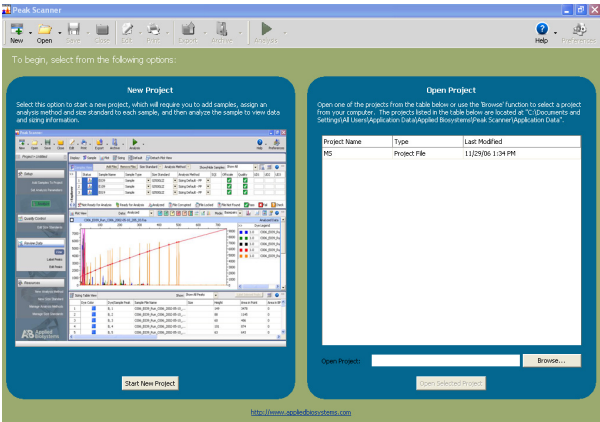
E	Task Action Toolbar
F	Panel Action Toolbar
G	Panel

### Peak Scanner™ Software Workflow



### Select a New or Existing Project

Create a new project in the left pane or open a project in the right pane of the Start View window.



To create a new project:

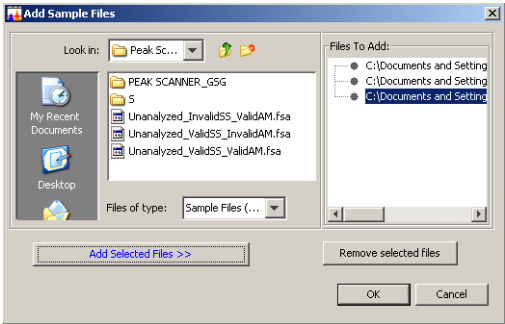
1. Click **Start New Project**.
2. Add samples.
3. Assign analysis methods and size standards to each sample.
4. Analyze the samples to view data and sizing information.

To open a project:

Select from the list of displayed projects in your Application data folder or browse to the project location.

## Add Sample Files

1. Select **Add Files** in the panel action toolbar.
2. Browse to the .fsa files you want to add to the project.
3. Select either the folder containing the files or the individual files to be added.
4. Click **Add selected files**, then click **OK** in the Add Sample Files dialog box.



You can also add files to a project by dragging the files/folders directly into the open application.

## Select Size Standard and Analysis Method

### Select a Size Standard

Under the column heading Size Standard, select the drop-down list to choose the size standard used for each sample.

		Add Files	Remove Files	Size Standard					
	Size Standard	Analysis Method	SQI	Offscale	Quality	UD1	UD		
	G5600LIZ	Sizing Default NPP		✓	✓				
	G5600LIZ	Sizing Default		✓	✓				
	G5500LIZ_3730								
	SNPlex_48plex_v1								
	G5500(-250)LIZ								
	G5500(-250)								

### Select an Analysis Method

Under the column heading Analysis Parameter, select the drop-down menu to choose the analysis method.

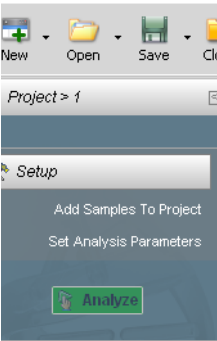
		Add Files	Remove Files	Size Standard					
	Size Standard	Analysis Method	SQI	Offscale	Quality	UD1	UD		
	G5600LIZ	Sizing Default		✓	✓				
	G5600LIZ	Sizing Default NPP		✓	✓				
		Sizing Default							
		My AM							

The two default analysis methods are provided with the software:

- **Sizing Default** — Use when primers have not been removed from the sample.
- **Sizing Default NPP** (NPP= no primer peak(s)) — Used when samples do not contain primers.

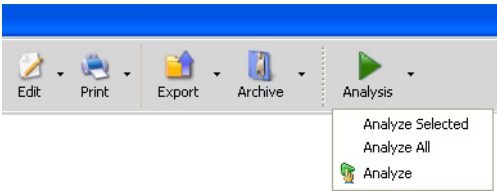
## Click Analyze

- In the Task Pane, click **Analyze**.



or

- In the Application toolbar, click **Analysis**  
    ▶ **Analyze All**.

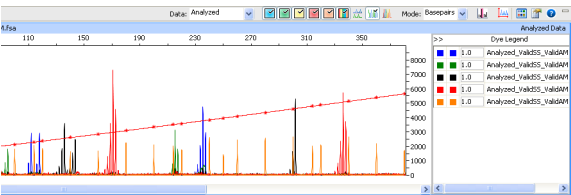


## Check Plot View and Sizing View Panels to Evaluate Size Quality

### Check Plot View Panel

Review electropherograms and annotate data using the Plot View Panel. The Plot View Panel is activated immediately after analysis of sample files but you can access it using the task action toolbar from multiple pages.

After data analysis, launch the plot panel in a new window to maximize the view. Minimize the Plot View Panel to gain more screen space for the Samples and Sizing Table View Panels.



### Sizing Table

View peak information for the selected samples within the Samples View panel using the Sizing Table View panel. The Sizing table contains a list of all peaks for the selected samples from the Samples Table with properties that are associated with each peak.

Sizing Table View							
Dye Color	Dye/Sample Peak	Sample File Name	Size	Height	Area in BP	Data Point	User Comments
Y, 12		C006_E109_Run_C006_2002-05-10...	118.9334	488	303	3100	
Y, 13		C006_E109_Run_C006_2002-05-10...	120.9183	292	166	3125	
Y, 14		C006_E109_Run_C006_2002-05-10...	170.7030	280	178	3806	
Y, 15		C006_E109_Run_C006_2002-05-10...	215.7103	601	433	4246	
Y, 16		C006_E109_Run_C006_2002-05-10...	223.3916	468	343	4335	
Y, 17		C006_E109_Run_C006_2002-05-10...	312.2750	208	167	5327	
Y, 18		C006_E109_Run_C006_2002-05-10...	314.1392	319	269	5347	
R, 1		C006_E109_Run_C006_2002-05-10...	12.5661	2804	2230	1587	
R, 2		C006_E109_Run_C006_2002-05-10...	14.6212	2873	3617	1689	
R, 3		C006_E109_Run_C006_2002-05-10...	14.6825	2317	1604	1619	
R, 4		C006_E109_Run_C006_2002-05-10...	16.2037	3667	1473	1642	
R, 5		C006_E109_Run_C006_2002-05-10...	17.1958	310	295	1657	
R, 6		C006_E109_Run_C006_2002-05-10...	18.6508	318	298	1679	
R, 7		C006_E109_Run_C006_2002-05-10...	19.5767	450	79	1693	

## Export or Print the Data

### Export

Export the currently selected data table or a combined table as either a:

- Tab Delimited format (\*.txt)  
or
- Comma separated values file (\*.csv).

To export the Sizing or the Sample table:

1. Select the panel containing the table to be exported, then click **Export** (📄) from the application toolbar.

2. Select **Export**.

**Note:** The Export selected table option is enabled only when viewing the Samples or the Sizing Table View panels.

The Combined table contains information displayed in both the Sample and Sizing tables.

To export the Combined table:

1. Click **Export** (📄) in the application toolbar.
2. Click **Export Combined Table**.

### Print

You can print the displayed sizing table by clicking **Print** in the Application Toolbar, then selecting **Print**.

### For More Information about Workflows

Refer to the:

- Peak Scanner™ Software Version 1.0 Reference Guide (P/N 4382253) – Shipped with the software or available online.
- Peak Scanner™ Software Version 1.0 Online Help is accessible from the Peak Scanner™ Software by clicking **Help** (❓) ▶ **Help Contents** in the application toolbar.

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