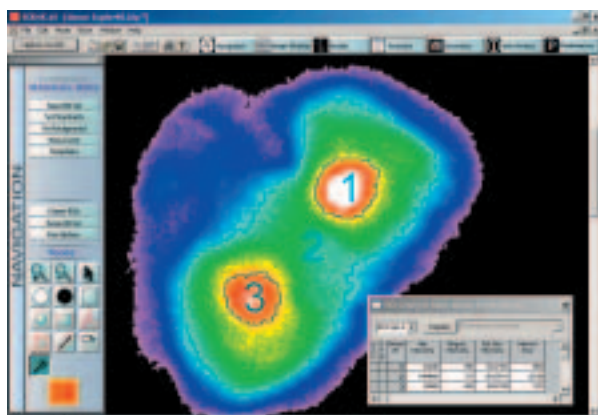


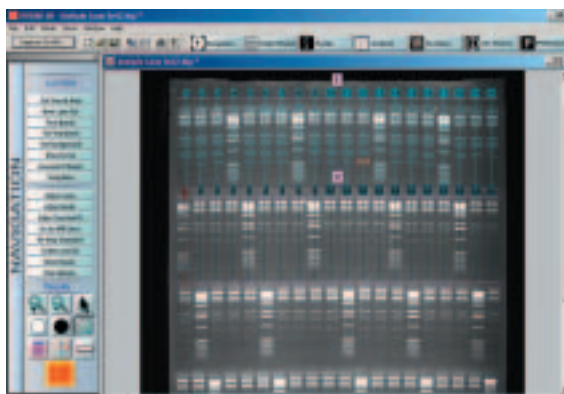
## COMPREHENSIVE IMAGE ANALYSIS, EDITING, AND REPORTING CAPABILITIES FOR *IN-VITRO* AND *IN-VIVO* MOLECULAR IMAGING APPLICATIONS

The new KODAK Molecular Imaging (MI) Software package provides high-performance image analysis for a wide range of molecular imaging applications. With a comprehensive set of tools for quantitative analysis, image adjustment, databasing, and reporting, KODAK MI Software improves the quality and ease of image analysis for gels, blots, plates, small animals, and more. An all-new navigational structure features workflow-driven tool palettes for improved ease of use.

- **Supplied with KODAK Image Station and Gel Logic imaging systems;** also compatible with TIFF or JPEG images saved from other imaging systems
- **Advanced image display control** including advanced histogram adjustments, software filters, pseudocolors, feature masking, and image overlay for multiplex image applications
- **Comprehensive image analysis tools** for quantitation of electrophoresis gels, Western blots, microplates, and other features of interest such as tumors, cells, etc.
- **User-friendly navigation** featuring palette-driven workflow provides convenient access to toolbars and commands specific to an area of workflow
- **WINDOWS 2000/XP and MACINTOSH OSX** single user and network versions available



*Comprehensive region of interest (ROI) analysis capability provides intensity, size and position, and comparative data for user-defined features of interest*



*Lane and band analysis tools provide over 30 built-in nucleic acid and protein standards for fast sizing and mass determination of single or multiple lane sets*



## Powerful Tools, Just a Click Away

The new KODAK MI Software package sets a new standard for high-performance image analysis—and simplicity of operation. The key? An innovative, user-friendly navigation system that uses a collection of workflow-driven tool palettes. It provides fast access to specific tool sets for manipulation and analysis of gels, blots, arrays, plate assays, small animals, and more.

Better results, faster results, easier results—they're all within your grasp, with the new KODAK MI Software package.

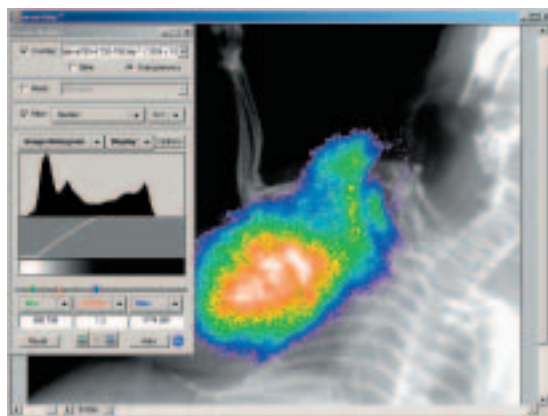


Image

### Image Panel

Gain precise control of image appearance on screen and in print

- **Image display** provides access to image histogram, brightness/ contrast/gamma control, software filters, pseudocolors, and more
- **Feature masking** and **image overlay** allow features of interest to be selected and merged with other image files
- **Rotate**, **flip**, and **crop tools** allow proper orientation and display of features of interest
- **Image math** and **image correction** provide mathematical tools that can be applied to a single or pair of images



Lanes

### Lanes Panel

Provides comprehensive analysis of nucleic acids and proteins in gels and blots

- **Auto-lane definition** and **auto-band finding** make analysis of electrophoresis gels fast and easy
- **Multiple lane set capability** allows rapid analysis of high-throughput gel formats
- An **intensity profile** window allows viewing and editing of band boundaries and background definition for each lane



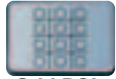
- **Gaussian deconvolution** improves analysis accuracy of saturated and overlapping bands
- Over 25 nucleic acid and protein **molecular weight and/or mass standards** are conveniently pre-defined for use in quantitating unknown bands. New standards can be added and saved quickly and easily



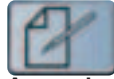
Manual-ROIs



Auto-ROIs



Grid-ROIs

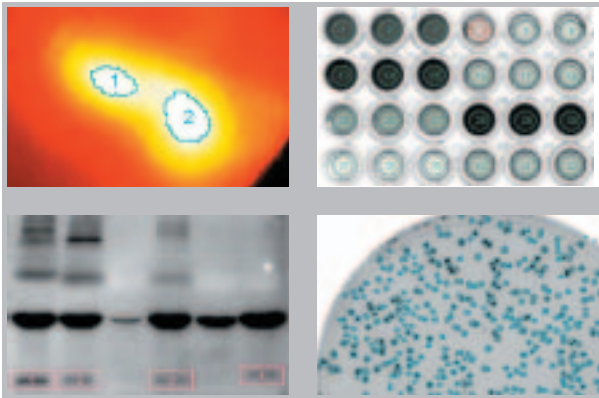


Annotation

### Region of Interest (ROI) Panels

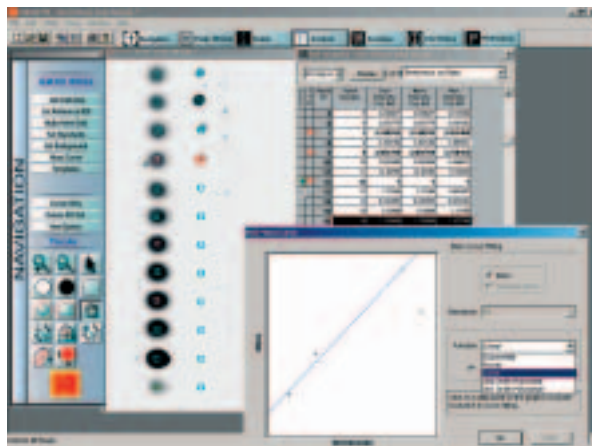
Define, measure, and count specific regions of interest such as bands, spots, bacterial colonies, arrays, tumors, cells, and more

- **Select ROIs manually**, utilize the **magic wand tool**, or use an **automated detection algorithm** (edge detection, threshold, density slice, or peak finder) to define specific image features



MI Software's manual and automated ROI definition tools allow fast and easy identification of a wide variety of features of interest

- **Selectively display a wide range of quantitative values** for each ROI, including intensity, geometry, or positional values
- **Produce comparative values** versus a reference ROI for rapid determination of relative intensity, size, etc.

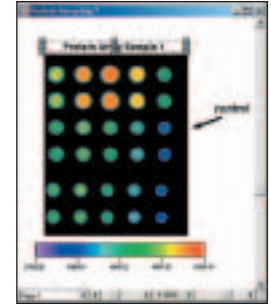


- Set two or more ROIs as **mass standards** from which mass values for experimental ROIs can be derived

### Annotation Panel

Provides a canvas upon which images, text, graphics, and data can be formatted for publication purposes

- **Images** can be cropped or zoomed to highlight specific features
- **Drag & drop** quantitative values from the analysis window; or type lane labels, figure legends, and other text information using a variety of colors and fonts
- **Intensity profile, mass curve,** and other project elements can be added to the annotation canvas as desired
- An **intensity scale** can be displayed to provide a quantitative map of pseudocolor intensity display



Database

### Database Panel—Project Database

Utilizes image and file information to identify specific projects stored in the database

- **Search terms include 19 different options**, including capture conditions, standards used, capture time and date, and user-defined fields



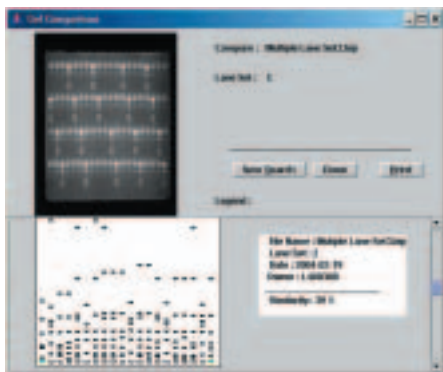
- **Image thumbnails and key file attributes** for each project meeting the search criteria are displayed; one or more projects can be launched directly from the database results window



**Database Panel—Gel Comparison**

Identifies the presence or absence of bands across multiple gels in the image database

- Allows user-defined molecular weight tolerances to be used to identify a band match
- Displays results in sorted order, with closest matching results first



**Database Panel—Differential Display**

Uses a single lane as a reference against which other lanes in the image are compared

- Lanes are compared on a band-to-band basis and graphically displays differences in number of bands, as well as molecular weight, intensity, or mass differences of each band in the image as compared to the bands in the reference lane



- Results for each band compared are graphically represented as color-coded band boxes, and are scored to indicate the degree of matching to the bands in the reference lane

**Imaging System Compatibility**

KODAK Molecular Imaging Software contains integrated interfaces for KODAK Image Station and Gel Logic cameras. In addition, MI Software contains a TWAIN driver for convenient image acquisition using TWAIN-compliant scanners and cameras.

In addition, MI Software is compatible with TIFF and JPEG image files captured using other imaging devices. MI Software's n-bit file format capability and floating point data utilize all image file data.

**System Requirements**

Operating Systems (WINDOWS)	WINDOWS 2000 (sp 4 or greater) or WINDOWS XP Professional (sp 2 or greater)	
Operating Systems (MAC)	OS X (10.3.8 or higher)	
Memory	>1 GB recommended	
Monitor	1024 x 768 minimum 1280 x 960 preferred	
Required Ports	USB	

**Available Software Configurations**

KODAK MI Software is supplied as USB copy-protected single-user packages for WINDOWS and MAC operating systems. In addition, multi-user network packages are available for labs that share a network server.

**Upgrades for KODAK 1D Image Analysis Software**

KODAK MI Software updates and replaces the KODAK 1D Image Analysis Software package. All image files and data produced using KODAK 1D Software are fully compatible with the new KODAK MI Software package. In addition, upgrades for KODAK 1D Software users are available at an economical price.

**Ordering Information**

CAT No.	Description
811 2344	KODAK Molecular Imaging Software, WINDOWS/MAC version 4.x, 1 user pack
824 7181	KODAK Molecular Imaging Software Upgrade, WINDOWS/MAC version 4.x, 1 user pack

**Find Out More**

For more information on the new KODAK Molecular Imaging Software package and the complete KODAK molecular imaging product line, please visit [www.kodak.com/go/molecular](http://www.kodak.com/go/molecular) or call toll-free in the United States and Canada 1-877-747-HELP (1-877-747-4357), option 7. Outside of the United States, call +1-203-786-5657.

