



## LabImage 1D - Automation with Macros - High Throughput Analysis

LabImage 1D is the most advanced solution in 1D gel analysis. It offers the full analysis tool set with automatic lane and band detection, automation of analysis, combined with adjustable background reduction to achieve reliable results.

Now LabImage 1D even provides High Throughput Analysis for image stacks and single images using macros.

LabImage 1D offers a set of macro modules to fully automate your gel analysis process. Macros can be created using the build-in macro editor.

### *Basic Features in Macro Mode*

#### *Preprocessing*

- Rotate Image
- Flip Image Horizontally
- Flip Image Vertically
- Invert Work Image
- Import OD Calibration
- Convert Display and Work Image to 8 bit
- Crop Image

#### *Lanes and Bands*

- Create ROI
- Automatic Lane Detection
- Calculate Background
- Automatic Band Detection
- Calculate Background
- Create Lane Grid

#### *Calculations*

- Add MW Standard
- Calculate MW Curve Fitting
- Add Band Quantity
- Add Lane Quantity
- Change Quantification Computation
- Add Band to Normalisation
- Change Normalisation Computation

#### *Reporting*

- Export all Data to File
- Create and Save Report

#### *Others*

- Save and Close Project
- Add Beakpoint

### *Additional Features in Macro Plus Mode*

- Create single Lane
- Create single Band
- Automatic Creation of specific Bands
- Load name Templates

### *Customized Add-ons*

- Automatic RF Correction
- Automatic Quantification for single Lane
- Create macro out of existing Project