

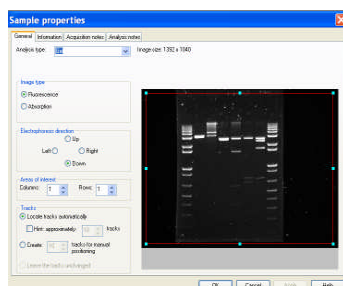
GeneTools Software Gel Image Analysis - Quick Guide

1 Open GeneTools



- ➔ Select the file menu
- ➔ From the drop down menu select New (import). Select the file you wish to analyse

2 Sample properties window



- ➔ Use the drop down menu to change analysis type, image type and electrophoresis direction
- ➔ Use the red box to determine areas of interest for analysis
- ➔ The track menu determines how many tracks are located
- ➔ You can locate tracks automatically or manually

3 Track manipulation

Track width



Move/tilt/bend



Position all tracks or Splay all tracks



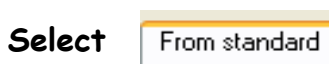
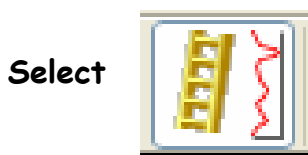
Lock all tracks



The software should automatically find all the tracks and bands but if required you can manually manipulate tracks

- ➔ Use the following track manipulation icons to change
- ➔ Track width - use the mouse to drag the arrow cursor to expand or decrease the width
- ➔ Move/tilt/bend tracks - use the arrow cursor to manipulate track(s). Double click to insert grab point to bend track
- ➔ You can also position or splay all tracks
- ➔ Once happy with track location lock all tracks

4 Assign molecular weight/quantity standard



- ➔ Molecular weights and quantities can be easily calculated if known standards are present on the image
- ➔ Select the lane containing the standards and click on the assign molecular weight/quantities standard icon
- ➔ Use the 'from standard' tab to select from drop down list
- ➔ If appropriate standard is not in the library you can create a new one by using the edit standard tab

5 Assign quantity



- ➔ If a quantity is known for one of the bands on the gel, the others can be calculated from it
- ➔ Click on the known band and then assign quantity icon
- ➔ Adjust quantity parameters for more than one standard value

6 Exporting data



- ➔ Report Generation - GeneTools is capable of producing a fully GLP compliant report
- ➔ Export results table to Microsoft Excel or full report to Microsoft Word

7 Help menu

- ➔ Select the help menu from the tool bar. Use the drop down menu to pick a help topic
- ➔ You can also use the getting started guide on the GeneTools CD

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