

# GeneTools Software Gel Image Analysis-Quick Guide

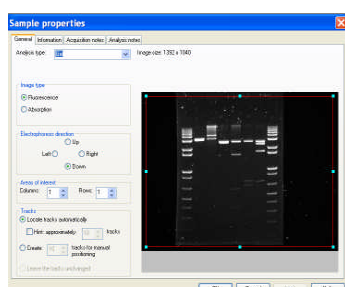
## 1 Open GeneTools

Select



- ➔ 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

Select



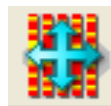
Move/tilt/bend

Select



Position all tracks    or    Splay all tracks

Select



or



Lock all tracks

Select

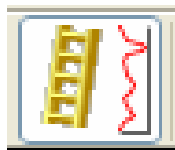


*The software should automatically find all the tracks and bands but if required you can manually manipulate tracks*

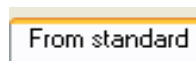
- ➔ Use the following track manipulation icons to change
- ➔ Track width - use the mouse to drag the arrow cursor to expand or decrease the width
- ➔ Move/tilt/bend tracks - use the arrow cursor to manipulate track(s). Double click to insert grab point to bend track
- ➔ You can also position or splay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

#### 4 Assign molecular weight/quantity standard

Select



Select



Select



➔ 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

Select



➔ 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

Select



Select



or



➔ 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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