

## File formats that can be used and saved in GeneSnap & GeneTools

### Saving Images

GeneSnap stores images in a unique \*.SGD file format. This format maintains the integrity of the original data and guarantees the accuracy of the analysis. Data stored and analysed using this format complies entirely with Good Laboratory Practice (GLP). These images are saved using the "Save Image As" command in the File menu.

Often images are required to be saved in other file formats as they may need to be exported into other software packages. The standard format for saving images for export is uncompressed TIFF or BMP (bitmap). These formats will preserve the integrity of image data better than other formats. Images can be saved in this format by exporting them through "Export", in the File menu. Other formats available include GIF, JPEG, PCX, TGA and WPG.

It is important to note that some of these formats will compress the image and this is to the detriment of the original data as it will cause image deterioration. If the image is exported and opened in another software package, this will also have an effect on quality. This may be more noticeable if the image was compressed, as the package may not have the means to "unpack" the image correctly. Annotations can also be saved in their own file format, by selecting 'Export' from the File menu.

### Importing Images

GeneTools enables the analysis of images captured not only on Syngene systems but also those from other equipment in the laboratory. Many scientists find our analysis software so easy and comprehensive that often images captured on phosphoimagers, or other imaging equipment, are analysed using GeneTools.

Once in GeneTools in order to open a standard \*.SGD file simply choose 'Open' from the File menu and choose the image you require to open...this will then take you to the SAMPLE PROPERTIES box and you can proceed with analysis. The 'Open' command will only allow you to open \*.SGD files. To open any other file format in GeneTools, for instance a TIFF file saved on either a Syngene system or any other device, select 'New [Import]' from the File menu. This will allow you to open an image in any of the formats shown and proceed to the SAMPLE PROPERTIES box and allow analysis to begin.

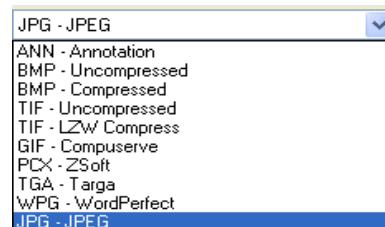


Figure 1- Image file formats available in GeneSnap and GeneTools software.

***Syngene reserves the right to amend or change specifications without prior notice. This Application Note supersedes all earlier versions.***

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