1D Analysis Software

Comparison of the functions of Gelix One® 210, 220, 230

Gelix One® Overview

Function	Description	Gelix One® 210	Gelix One® 220	Gelix One® 230
Data import	JPG, PNG, 8 - 16 Bit TIF files	x	x	x
	Direct interface to argusX1®	x	x	x
Analysis	Fully automated lane detection		x	x
	Semi-automated lane detection		x	x
	Manual lane detection	x	x	x
	Manual lane adjustment	x	x	x
	Fully automated band detection		x	x
	Manual band detection	x	x	x
	Manual band adjustment	x	x	x
Background	None	x	x	x
detection	Rolling Ball		x	x
	Valley to Valley			x
	Elastic band		x	x
	Average value		x	x
	Manual basic line	x	x	x
Calculation	5 basic values for bands (volume, Rf, MW)	x	x	x
	15 calculation values for bands and lanes			x
MW-Standards	Molecular weight calibration	x	x	x
	Definition of own standards	x	x	x
	Export defaults		x	x
	Image assignation of MW standards to the gel			x
Quantification	Classification of absolute band values		x	x
	Applied amount per lane			x
	Average value of one group of bands			x
	Sum of the volume of a band group			x
Normalisation	Based on one band	x	x	x
	Based on one group of bands			x
	Based on one lane			x
Presentation	Histogram, lane profile	x	x	x
	Histogram with Multi-Lane view			x
	3D histogram (freely rotatable)			x
	3D gel presentation (freely rotatable)			x
Reports	Preset reports	x	x	x
	Export of the data table	x	x	x
	3D plot for gels			x
	PDF export of the report		x	x
	Export to other formats (RTF, XLS)			x
Additional modules	GLP			x
	RFLP			x

1D Analysis Software

Efficient 1D software incl. 3D module

Gelix One 230®

The software Gelix One 230* includes all features of the version 220 and is additionally equipped with functions for the automated analysis, quantification, normalisation as well as up-to-date visualisation technologies**.

The results of the evaluation can be presented in various ways. Especially the 3D gel presentation, 3D lane profiles and substantial possibilities of the report creation are nice features. The export into other Windows applications is carried out via clipboard or as saved file.

Particularly for applications in the production environment, parameters for lanes has been established in addition to the important information about the bands (e.g. Rf value, MW values, volume, area). The quality factor for judging the quality of the analysis has been proved in practise. the quality factor to estimate the evaluation quality has proved.

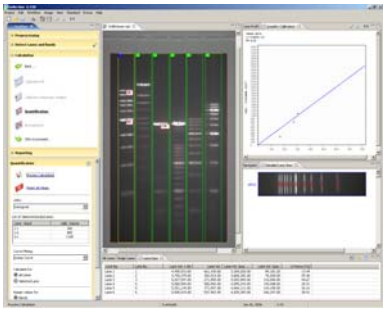
Gelix One 230 is a professional evaluation software for 1D gels. Especially for users in science as well as in biotechnological and pharmaceutical production, this software is a premium choice. The possibility of upgrading the software with the modules GLP and RFLP supports the use of the software in the mentioned fields.

* system requirements on page217
** detailled information on page 216

Software functions (extract)**

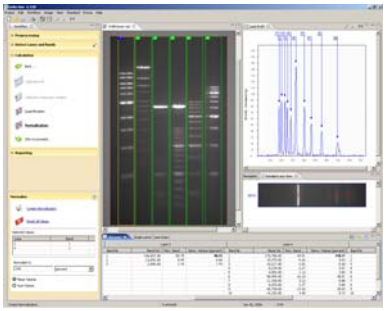
Quantification and normalisation

The function of the amount calibration (quantification) calculates all unknown bands by the classification of the known amounts to one or several bands or of the applied amount per lane.



Functions for quantification

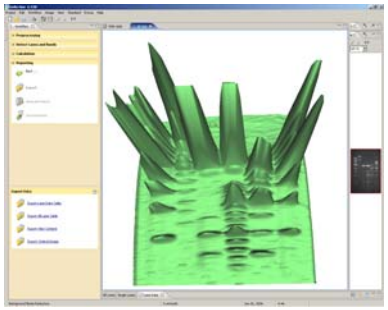
The normalisation is used for the relative comparison of bands on the basis of their volumes. For that purpose, values (e.g. 100 %) are assigned to single bands, groups of bands or single lanes.



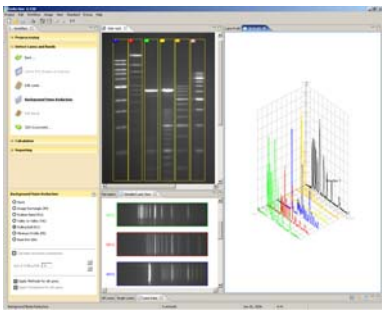
Functions for normalisation

3D representation

Functions for the 3D presentation of the complete gel and for the 3D lane profile are integrated in the software Gelix One 230. This functionality supports a further evaluation and interpretation of the results. Furthermore, it is possible to export the 3D presentations into other Windows applications, e.g. PowerPoint.



3D representation of a gel



3D representation of the lane profiles of a gel

Description	Order No.
Gelix One® 230, single licence	BG02-A8230
Gelix One® 230, additional licence	BG02-A8232
Gelix One® 230, multi licence	BG02-A8249
Gelix One® 230, network licence	BG02-A8285
GLP-Module for Gelix One® 230	BG02-A8715
RFLP-Module for Gelix One® 230	BG02-A8745