

# Agilent ProSize Data Analysis Software For the Agilent Fragment Analyzer, Femto Pulse and ZAG DNA Analyzer Parallel Electrophoresis Systems



## Powerful and intuitive nucleic acid data analysis

The Agilent ProSize data analysis software is designed to analyze raw data acquired from the Fragment Analyzer, Femto Pulse and ZAG DNA Analyzer parallel capillary electrophoresis systems offered by Agilent. These instruments deliver automated fragment separation solutions for a variety of applications including nucleic acid raw materials, second and third generation next-generation sequencing (NGS) library preparation, *in vitro* transcribed (IVT) RNA, microRNA, fragment analysis, and Bacterial Artificial Chromosome (BAC).

### Software Benefits:

- Data can be processed and saved for further analysis
- Users can share raw data and processed files for collaborations
- Results are presented in easy to interpret reports


### Features:

- Software is compatible with the Fragment Analyzer, Femto Pulse and the ZAG DNA Analyzer systems
- Analyze the size and concentration of individual sample fragments and smears for both small and large ranges
- Directly compare sample size, peak height, and separation profile(s) by easily overlaying samples from the same or different runs
- Obtain objective sample quality metrics for genomic DNA (gDNA) with the customizable thresholds of the genomic quality number (GQN) providing greater flexibility for gDNA assessment, total RNA with the RNA quality number (RQN), and FFPE RNA with the DV<sub>200</sub>
- Automatically score samples for the presence or absence of specific DNA fragment size(s) with the multifunctional flagging feature
- Export data and images in a variety of formats such as CSV file or PDF, with the option to select all the data or only a subset of data
- Ability to set unit labels in either ng/μL and nmole/L or pg/μL and pmole/L
- Laboratory Information Management System (LIMS)-enabled

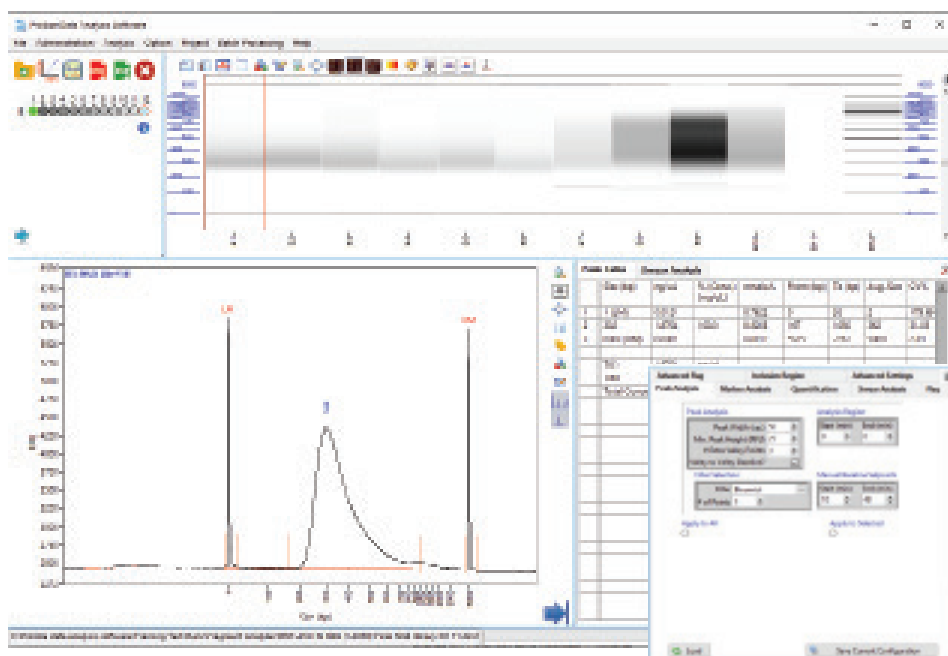
### PC Specifications:

Display Resolution.....	1280 x 1024 pixels - Recommended or 1280 x 800 pixels - Minimum resolution
Hard Disk Space Requirements.....	500 GB
Memory.....	8 GB
Operating System.....	Windows 10, 64 bit. English (US) language settings
Ports.....	Two USB ports
Processor.....	Intel i5 or above
Software Type.....	ProSize data analysis software
Data Export Format.....	CSV and PDF
Operation system regions setting.....	English (US) in default configurations

1. **Start the analysis**



Data can be analyzed in the gel or electropherogram view. Concentration and sizing information is displayed in the peak and sample table. In the Advanced Settings tab, the user can select the desired Analysis Mode for specific sample types such as Total RNA from procaryotes, eucaryotes or plants. Samples can also be overlaid for quick profile comparison. The software offers intuitive user interface which allows a pleasant sample analysis experience.



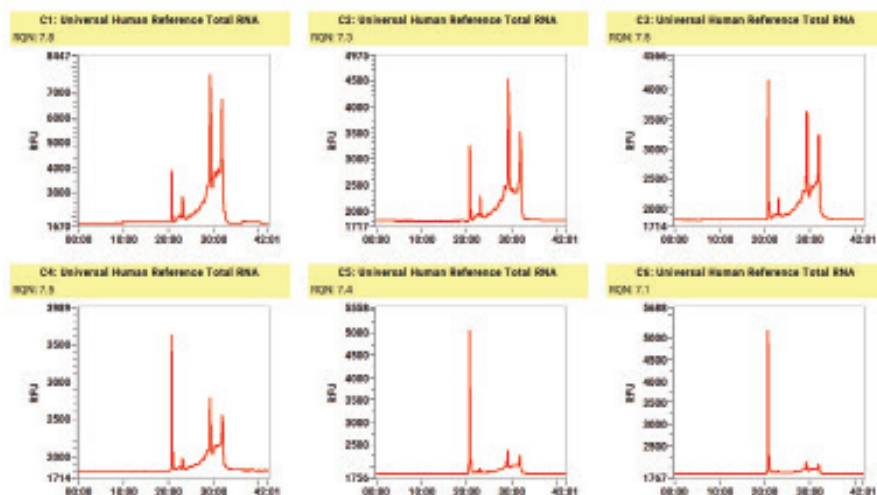
### 3. Generate PDF report

Sample reports are easily generated. Users can take advantage of the Flag Analysis feature and customizable reports for clear overview of results based on their requirements.

2018 01 17 20H 07M.raw

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Filename and data path: C:\ProSize data analysis software\Training Test Runs\Fragment Analyzer\DNF-472 HS RNA kit 15nt\sample dilution series 20-07-57\2018 01 17 20H 07M.raw



The ProSize Data Analysis Software User Manual is available for download at the [Agilent ProSize Data Analysis Software Download page](#).

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