Data App Highlights
Technical Note 134

Introduction

The DeNovix® DS-11 Spectrophotometer software includes an intuitive Data app which enables the user to recall and export data at their convenience. This note will highlight some of the key features of the app.

Data App Screens

The Data app uses a 3 page structure similar to that used for measurement apps such as dsDNA and Protein A280. This structure maximizes the information provided while maintaining an intuitive, uncluttered interface.

The Search, Report and Graph pages are quickly accessed using either tabs or a touchscreen swipe motion. Easy-to-use filters are available on the Search screen to facilitate finding the data of interest.

Search Filters

Results are automatically filtered based upon the Account selected using the tab on the top action bar.

When the General Account or user- defined standard account is selected, only results generated by that account will be displayed in the results list. When an administrator level account is selected, results generated by all accounts will be displayed in the results list.

The Advanced Search feature allows multiple filters to be applied in a single search. Filter options include:

- Application Type
- Sample Name
- Start and End Dates

Some apps such as Protein A280 or Microarray include a filter option for Sample Type while the Kinetics, Custom Standard Curves and Custom Formula Methods apps include a Method filter as well.

Kinetics and Diagnostics results are only accessible using the Advanced Search Application filter drop-down menu option.

The Quick Search feature enables the user to filter by a single parameter such as Sample Name or Date in addition to the automatic Account filter.

Data Review

After a search is complete, highlight the samples of interest and use the **Add to Report** button to include selected search results to the Report and Graph screens.

- Results may be sorted at any time by tapping the column header.
- Tap the **Select All** icon to quickly highlight all samples.
- Only results from one app type may be added to the Report and Graphs screens. In addition, only one Kinetics run may be reviewed at a time.
- Use the **Clear Samples** function from the Report screen Overflow menu when changing result types.

Data Export

The **Export Selected Samples** function available from the Report and Graph screen Overflow menus creates a .csv file that can be emailed, sent to a network folder or saved to a FAT32 formatted USB thumb drive.

- Data is not deleted from the instrument database when using the Export function.
- The function will only export the sample data highlighted and selected from the Report or Graph screen results list.
- The .csv file includes all data displayed on the DS-11 Report screen as well as all baseline corrected absorbance versus wavelength values.
- To open an exported .csv file on a computer, the DS-11 and the computer must both be set to use either period or comma number formats. The DS-11 number format is determined by the language selected using the Settings app.

Screen Shots

The Screen Capture function available from the Report and Graph screen Overflow menus creates a .jpg file that can be emailed, sent to a network folder, saved to a FAT32 formatted USB thumb drive or printed using a Dymo 4XL printer. This feature is particularly useful for capturing images of sample spectra.

Archive

Data may be deleted from the DS-11 instrument by using the Archive function in the Data app.

- The **Archive Selected Samples** function available from the Search and Report screen overflow menus creates a .csv file with sample data that can be exported to a FAT32 formatted USB thumb drive or saved to a network folder.
- When the archive function is used, the data is **_permanently_** deleted from the instrument database.
- Archiving can be done on multiple app types simultaneously. Note: Kinetics and Diagnostics results must be archived separately.
- The archiving privilege for standard accounts is enabled or disabled using the Permissions page in the Settings app.

Summary

The DeNovix® DS-11 software includes a search friendly app which facilitates quick access of all sample measurement results. All app specific relevant data such as absorbance values, calculated concentrations and purity ratios are automatically saved after every measurement and easily reviewed using the Data app.