SHIMADZU
Excellence in Science

Neonatal Solution

Neonatal Mass Screening Software

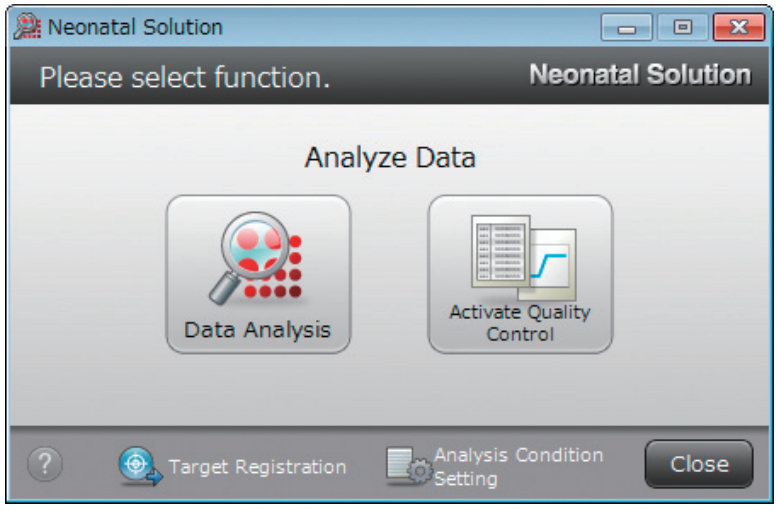
Management of Tandem Mass Screening Information

Screening using a tandem mass spectrometer (LC/MS/MS) enables the simultaneous measurement of 20 or more indicator substances, such as amino acids and acylcarnitine, in a short time (approximately 1 minute). This makes it possible to screen for a number of diseases of interest at the same time. Since more than 100 screening samples are analyzed per day, the quantity of measurement data is enormous; managing this data is imperative.
Neonatal Solution easily analyzes an enormous amount of data from daily examinations. Furthermore, daily accuracy control functions enable reliable calculation of instrument accuracy based on trends.

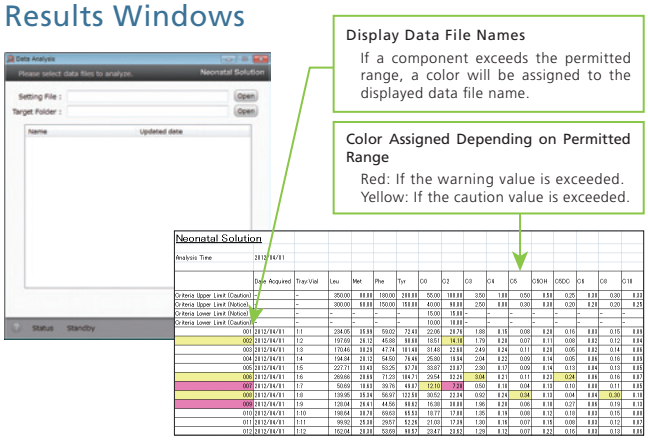
Features of Neonatal Solution

- Capable of selecting the analysis targets and creating LabSolutions-compatible analysis methods
- Incorporates functions to calculate concentration values and area values for indicators from LC/MS/MS data files (can also calculate concentration ratios)
- By specifying criteria values for each indicator, compounds that exceed those values can be marked with color when output for easy identification
- Daily accuracy control using controlled samples
  Storing analysis results for control samples in a database ensures instrument accuracy by analyzing trends in the stored data.

Analyze acquired data and perform daily accuracy control



Results Windows



The acquired data is analyzed in accordance with the configured analysis conditions. The analysis results can be output to an Excel file (or csv file), and then used for daily accuracy control after exporting them to a database.

Accuracy Control Results Windows

Accuracy is maintained using control samples. The permitted range is calculated from previously registered data; new data is then evaluated for adherence to the permitted range.
(Access 2010 is required to operate the accuracy control tool.)

Cautions

- Note that neither the accuracy of information included in this product nor the usefulness of results obtained from its use are in any way guaranteed.
- This product can only be used for research.
- This platform is not available in the USA and may not be available in some other countries. Please contact your local Shimadzu representative for availability.

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