Spectra Manager Bestsel **BESTSEL**

EÖTVÖS LORÁND

UNIVERSITY

FII



Right-twisted



This program utilizes 'BeStSel engine', which is an algorism developed by Dr. József Kardos and Dr. András Micsonai, et. al. at ELTE (Eötvös Loránd University, Hungary).



Parallel β-strand Parallel β-sheet

Turn, as defined by DSSP

3,10-helix, π -helix, β -bridge, bend, loop/irregular and invisible regions of the structure

Turn

Others



Evaluation of the Structural Stability of Antibody Drugs

Here, we report the results of a comprehensive analysis of the secondary structure of antibody drugs under various pH conditions utilizing a seamless workflow that combines the automated CD/Absorbance(Abs)/Fluorescence(FL) measurement system HTCD Plus and Spectra Manager BeStSel.

Results of SSE showed that both Herceptin and RIABNI retained their secondary structure down to pH 3, but the ratio of Helix, β -strand, and Others changed significantly at pH 2.



Spectra Manager BeStSel is a powerful tool for structural analysis of a wide range of proteins, HTCD Plus including antibody drugs.

High-Throughput Circular Dichroism Measurement System



Secondary structure analysis results of Rituximab

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