

Abstract

ELECTROPHORESIS SYSTEM, ELECTROPHORESIS DATA PROCESSING DEVICE, AND
ELECTROPHORESIS DATA PROCESSING METHOD

For appropriate compression of fluorescence signal data, provided with: a compression range set unit (105) which detects a fluorescence signal derived from an analysis object and a fluorescence signal derived from an analysis exclusion object distinguishingly from fluorescence signals contained in the fluorescence signal data, and sets a compression range for frames of the fluorescence signal data based on a result of the detection; a compression ratio calculation unit (106) which calculates a compression ratio based on a maximum value of the fluorescence signal intensity included in the compression range and a maximum value of the signal intensity usable for a secondary analysis; and a compression unit (107) which generates fluorescence signal compressed data by compressing the fluorescence signal data based on the compression ratio, and outputs the generated fluorescence signal compressed data.