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(54) **METHOD AND SYSTEM FOR PERFORMING CELL OPERATIONS USING A VERIFIABLE DATA STRUCTURE**

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(57) **ABSTRACT**

A method and system for performing operations on cells in an instrument wherein the performance of operations on cell samples is controlled and data relating to the operations is generated, a unique identifier is associated with the instrument, the generated data is encrypted with a key corresponding to the unique identifier and a hash of one of the generated data and the encrypted generated data is created to enable verification of the integrity thereof. The hash is stored for later verification of data.

