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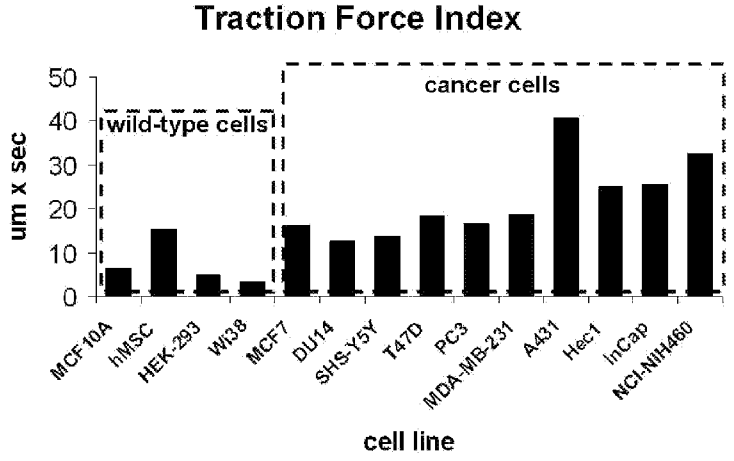
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(54) Title: SYSTEMS, METHODS AND DEVICES FOR MEASURING GROWTH/ONCOGENIC & MIGRATION/METASTATIC POTENTIAL



(57) Abstract: Systems, methods, and devices for determining various properties of cells are provided herein. In one aspect, the method includes measuring one or more variables based on physical and/or chemical characteristics of a cell or its environment. The method further includes calculating one or more quantifiable metrics based on a mathematical expression including one or more of the variables, where those metrics correlate with at least one of the growth characteristics of the cell, the motility characteristics of the cell, the oncogenic potential of the cell, or the metastatic potential of the cell. Various aspects of systems and devices for determining various properties of cells are also provided herein.