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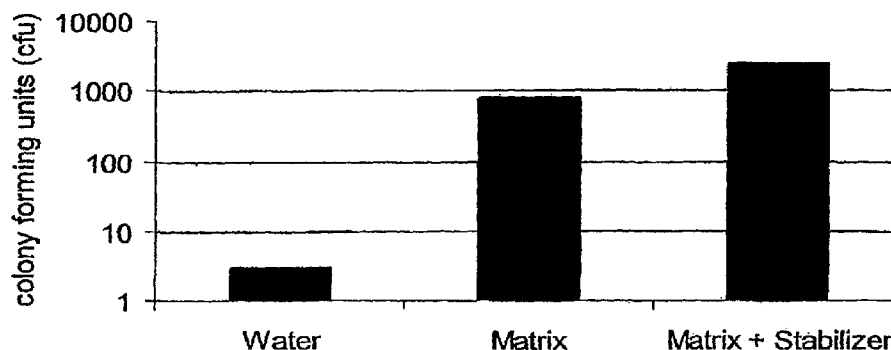
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(54) Title: INTEGRATION OF SAMPLE STORAGE AND SAMPLE MANAGEMENT FOR LIFE SCIENCE



(57) Abstract: Compositions and methods are disclosed for automated storing, tracking, retrieving and analyzing biological samples, including dry storage at ambient temperatures of nucleic acids, proteins (including enzymes), and cells using a dissolvable dry storage matrix that permits recovery of biologically active materials. RFID-tagged biological sample storage devices featuring dissolvable or dissociable matrices are described for use as supports of biological samples, which matrices can be dried and subsequently rehydrated for sample recovery. Also disclosed are computer-implemented systems and methods for managing sample data.

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