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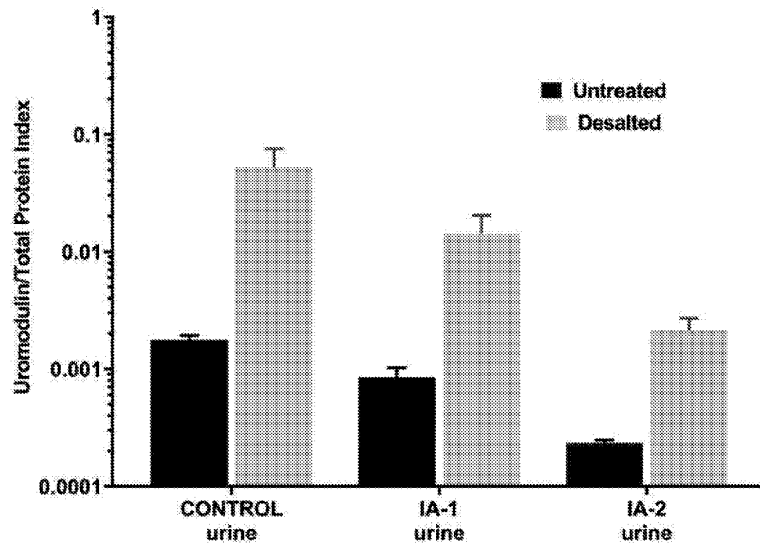
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(54) Title: METHODS AND COMPOSITIONS USING EXTRACELLULAR VESICLES FOR THE DETECTION OF DISEASE AND DISORDERS

Figure 6:



(57) Abstract: Disclosed herein are methods for detecting a biological or chemical entity in a sample, wherein the biological or chemical entity is associated with extracellular vesicles. The methods disclosed comprise the steps of a) processing the sample, (b) using a detection assay to detect the presence of extracellular vesicles and to isolate the extracellular vesicles, (c) processing the extracellular vesicles to expose or release the biological or chemical entity, and (e) detecting the biological or chemical entity released from the extracellular vesicle. In certain embodiments, the extracellular vesicles are associated with proteins, glycoproteins, peptides, lipids, nucleic acids or other cellular components. The detection methods are useful for identifying the presence of microbial antigens related to *Streptococcus pneumoniae*, *Aspergillus* species, *Fusarium* species, *Coccidioides* species, *Cryptococcus* species, and *Histoplasma* species.

[Continued on next page]

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