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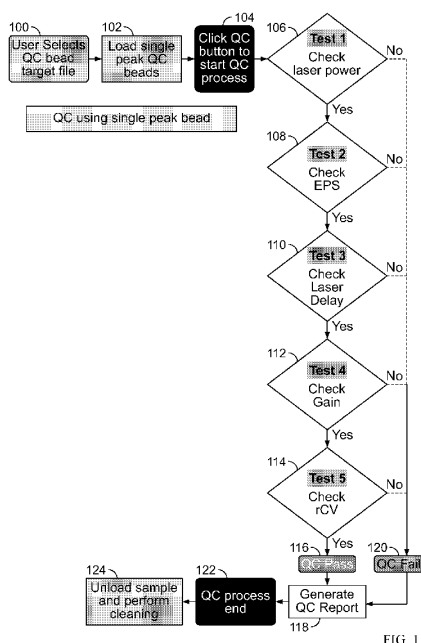
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(54) **Title:** READY TO USE DAILY QC FLUOROSPHERES



(57) **Abstract:** The present disclosure provides compositions, methods, and kits to improve the quality control of a flow cytometer by using fluorospheres encapsulated with at least one dye having an infrared fluorescence emission and at least one dye having at least one fluorescence emission between 355 nm and 800 nm. In an embodiment, a composition is a suspension for quality control of a flow cytometer comprising fluorospheres, wherein the suspension of fluorospheres include individual fluorospheres having an infrared fluorescence emission greater than 800 nm when excited with an infrared laser and at least one fluorescence emission between 355 nm and 800 nm when excited at a wavelength of less than 800 nm, at least one surfactant, and at least one stabilizer or preservative.

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