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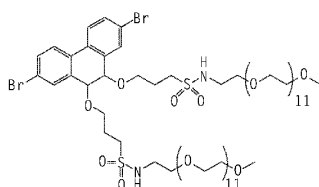
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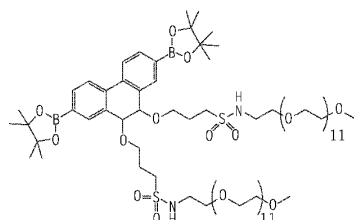
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(54) Title: NOVEL FORMULATION FOR DRYING OF POLYMER DYE CONJUGATED ANTIBODIES



Monomer A



Monomer B

FIG. 4

(57) Abstract: A novel dry down buffer is provided for use in drying a plurality of fluorescent dye conjugates on a substrate for use in flow cytometry. The aqueous buffer comprises a water-soluble monomer; a protein stabilizer; a carbohydrate stabilizer; and a zwitterionic surfactant. When mixed with a multi-color panel comprising fluorescent polymer dye conjugates, dried on a substrate, and reconstituted with a biological sample, the buffer provides decreased aggregation of fluorescent polymer dye conjugates, and decreased non-specific binding of monocytes and granulocytes, when compared to use of a buffer without the water-soluble monomer or zwitterionic surfactant.

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