

Measuring particle concentration of multimodal materials with orthogonal techniques. Stepping up to the characterisation complexity.

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The measurement of physical-chemical properties of complex biological samples is critical to assess their characteristics and qualities. The scientific and regulatory communities have been active in developing and promoting combined multiple orthogonal techniques to perform robust characterisation of complex biological samples.

In this work complementary approaches are going to be presented where to shed some light on the challenges and limitations of different techniques

Consideration on the increasing need to measure size and concentration in physiologically relevant media and the importance of standards, as suitable reference materials are also emphasized since these are critical for the translation of the next nanomedicines into clinical products.