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Polyamidoamine (PAMAM) dendrimer-mediated biotin amplified immunomagnetic separation method coupled with flow cytometry for viable *Listeria monocytogenes* detection

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Highlight

- PAMAM dendrimer-mediated biotin amplified IMS was a robust and cost-effective method for *L. monocytogenes* enrichment.
- PMA treatment prior to PCR amplification coupled with FCM assay could achieve viable *L. monocytogenes* detection.
- PAMAM dendrimer-mediated biotin amplified IMS coupled with FCM assay

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