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**Ensure quality assurance for companies and institutions****Boyd L. Summers**

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Outside or inside quality assurance representatives are trained and chartered to partner with companies and/or institutions and instill quality, maintain process and product requirement compliance through in-house audits and evaluations and to provide oversight. Quality is inclusive for creating a community working together and establishes an inspired future for business management, employees and customers. Drive the growth of our people and our business through personal and professional development focused on disciplined execution and quality. At the start of each review period, auditors prepare for audit and evaluation planning by identifying contracts and those processes that will be evaluated during that specific review period. The purpose of the audits and evaluations ensure that activities and/or tasks are completed as planned and are compliant with approved company and/or institution plans and procedures. Companies and/or institutions maintain historical records (electronic or paper) such that they accurately reflect the activities and status they represent. Manage configuration and control of audit and evaluation records as required by company requirements are retained records for compliance and use for future improvements. There are other and effective methods for audits and evaluations, but the number one method is to ensure "Quality Assurance is First" and the other methods come in second!

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**Electromembrane extraction combined with capillary electrophoresis for the determination of metoclopramide and ondansetron in urine samples.****Ehsan Sadeghi**

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Electromembrane extraction (EME) is a sample preparation technique in pharmaceutical, chemical, clinical and environmental analysis. This technique uses electromigration across artificial liquid membranes for selective extraction of analytes and sample enrichment from complex matrices. This method has many advantages such as simplicity, rapid, low-cost, low LOD, high preconcentration factor and high recovery. In the present work, simultaneous preconcentration and determination of two basic drugs namely metoclopramide (MCP) and ondansetron (OSN) were studied using EME as a suitable extraction method, followed with capillary electrophoresis (CE) using ultraviolet (UV) detection as separation technique. The drugs were extracted from 4 ml sample solutions, through a supported liquid membrane (SLM) consisting 2-nitrophenyloctylether (NPOE) impregnated in the walls of a polypropylene hollow fiber, and into a 20  $\mu$ L acidic aqueous acceptor solution resented inside the lumen of the hollow fiber with a potential difference applied over the SLM. The variables of interest, such as chemical composition of the organic liquid membrane, stirring speed, extraction time and voltage, pH of donor and acceptor phases and salt effect in the EME process were investigated and optimized. Under optimal conditions NPOE as SLM, stirring rate of 1000 rpm, 200 V potential differences, 20 min as the extraction time, acceptor phase HCl (pH 1.0) and donor phase HCl (pH 1.5). After the microextraction process, the extracts were analyzed by CE with optimum conditions phosphate running buffer (pH 2.0), applied voltage of 20 kV and 25°C. Under the optimum conditions, limits of detection (LOD) and quantification (LOQ) for MCP and OSN were 2.31-2.68 and 7.72-8.91 ng mL<sup>-1</sup> respectively. Preconcentration factor and RSD for five replicates of each drugs were calculated to be 200 and 4.06-3.93 respectively. Finally, the applicability of this method was studied by the extraction and determination of these drugs in urine samples with recovery percentages of 87-92%

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