MicroClave® and Spiros™ Compatibility with Busulfan (Busulfex®, Myleran®)

Thank you for your interest in the ICU Medical ChemoClave™ products for use with the antineoplastic agent Busulfan. Busulfan contains a solvent (N, N-Dimethylacetamide), that is incompatible with polycarbonate plastics in its undiluted form. Preparation of Busulfan using devices containing polycarbonate is expressly contraindicated in the MSDS. Polycarbonate is a very common plastic that is found in IV administration equipment including syringes, sets and the ChemoClave technologies.

ICU Medical has tested the MicroClave and the Spiros for compatibility with diluted Busulfan at a 0.536mg/mL concentration, or 10% as the MSDS instructs. This concentration represents the typical administration solution used for the delivery of this drug through the patient’s catheter. Test results show that both the MicroClave and Spiros meet functional requirements following exposure to 0.536mg/mL Busulfan over a four-hour period. These products are therefore deemed compatible with Busulfan deliveries at the patient site when in the diluted form.

If there are further questions or concerns, please visit our website at www.icumed.com or contact the corporate offices at 949-366-2183 or 800-824-7890.

Technical Services
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