

## Clave<sup>®</sup> Technology Connectors for Use with Glass Pre-filled Syringes

Connectors incorporating Clave technology include the original MicroClave<sup>®</sup> Neutral Displacement Connector, MicroClave Clear, Antimicrobial MicroClave, NanoClave<sup>®</sup>, and the Neutron<sup>®</sup> Catheter Patency Device. The devices are designed to accept and be compatible with ISO-compliant male luers having an internal diameter of 0.062" or larger. This dimension is required to accommodate the internal blunt cannula of the device that will go up inside the male luer when the device is accessed. Previous investigations of glass syringes show that these devices have very thick walls with an internal diameter (ID) of approximately 0.048" in order to sufficiently prevent breakage of the glass during insertion. Luers having an ID smaller than 0.062", such as in glass syringes, are not recommended for use with Clave technology as it may obstruct the flow of medication or damage the devices cannula and silicone.

Connectors incorporating Clave technology are known to be compatible with all known brands of plastic pre-filled syringes as these typically have sufficient internal diameters to not come in contact with the cannula. As with any ISO luer being connected to needlefree device, it is important to push and twist ¼ turn until a friction fit is achieved. Due to the wide variation of commercially available male luers, insertion should be based on friction (6 lbf ISO specification) and not visual, as inadvertent over-tightening may damage the luer as well as the silicone and cannula of the device.

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

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