



**Connecting the Syringe to the LuerSafe**

**TIP:** Insert the end of the Luer Lock or Luer Slip syringe straight, not at an angle, to prevent damaging the LuerSafe connector.

**Actuations**

**WHAT:** LuerSafe is validated for up to 300 actuations over a 30 day period, averaging 10 actuations per lumen per day.



**Disconnecting from the IV Line**

**TIP:** No need to kink the line.

**TIP:** No need to clamp the line or the LuerSafe when disconnecting.

**TIP:** No need to remove the LuerSafe.



**LuerSafe - An Automatic Clamp to Provide an Effective Microbial Barrier**

**WHAT:** A split septum, flat surface, direct fluid pathway.

**BENEFIT:** Easy to clean and disinfect using an alcohol wipe.

**TIP:** If you have questions about the maintenance of your LuerSafe, ask your local rep to take you through the results of our lab study which demonstrates the integrity of the silicone barrier after 30 days, or 300 actuations.



**3. ASPIRATION OF BLOOD**

**LuerSafe - An Automatic Clamp That You Can Aspirate Blood Through**

**WHAT:** An automatic closed system that has CE mark for up to 30 days, averaging 10 actuations per line per day.

**BENEFIT:** Can aspirate blood as it only requires a 3 ml flush to clear the LuerSafe (3 x 1 ml).

**BENEFIT:** No need to change the valve.

**BENEFIT:** Quick and easy to clean.



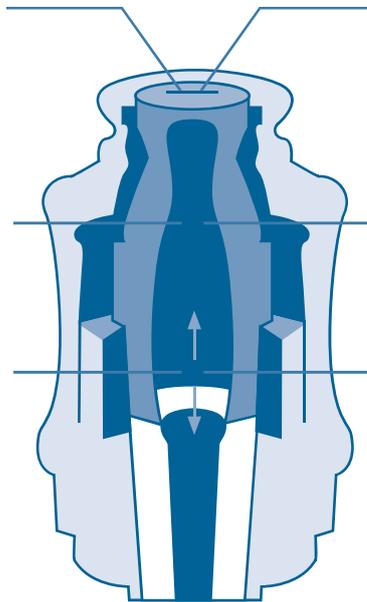
In the rare event of a failed LuerSafe, please use the Repair Valve to continue the treatment.

Please contact your local Kimal Representative for more information.

**Septum surface easily disinfected**  
Smooth, gap free surface

**Fluid pathway facilitates optimum flushing**  
Straight and direct

**Straight through flow**  
Maximum flow rates



**Septum seal reduces risk of biofilm formation**  
Housing tight between septum

**Zero dead space**  
Designed to prevent harbouring of contaminants and biofilm (0.09ml priming volume)

**No moving parts reduces risk of HA-BSI contamination**  
No internal mechanism



#### Altius Colour-Coded Lumens

**WHAT:** Altius lines are colour-coded from top to tip.

**BENEFIT:** Easy identification to reduce handling the lines negating the need for identification stickers.

**BENEFIT:** Reduced risk of maladministration of drugs.

**BENEFIT:** Reduced risk of infection by reducing manipulation of lines.

**BENEFIT:** Safe delivery of photosensitive medication such as TPN without taping the lines.



#### Altius Multi-Tube Technology

**WHAT:** Altius Multi-Tube™ technology provides perfectly round lumens.

**BENEFIT:** Perfectly round lumens from the LuerSafe to the tip provide pure laminar flow which is ideal for drug infusion.

This unique technology allows for smaller gauge (GA) size lumens whilst maintaining excellent flow rates, i.e. Altius 7 lumen.

However, with smaller GA lumens it is possible to feel resistance when aspirating.

**TIP:** Aspirate slowly

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#### NOTES