

Nexus TKO[®]-6P

Luer Activated

Anti-Reflux Device



***Performance Solutions
Designed to Deliver
IV Catheter Patency 24/7!***



- Since 2001



Nexus TKO[®]-6P

Features & Benefits

Nexus TKO[®]-6P provides a *Productive Flush*[®]:

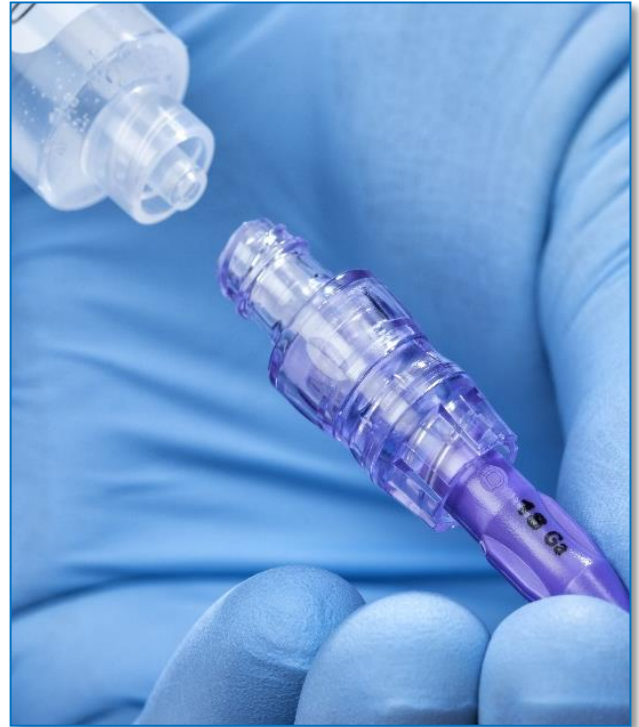
The Nexus TKO[®]-6P was designed with a clear, rigid direct internal fluid path which enables an effective low volume *Productive Flush*^{® 6}

The exclusive single piece, crystal clear Anti-Reflux technology:

The Nexus TKO[®]-6P delivers catheter patency with a single crystal clear Anti-Reflux diaphragm³

No clamping sequence required:

The Nexus TKO[®]-6P with Anti-Reflux technology requires NO CHANGE in practice or clamping sequence, the device automatically provides **Blood Reflux Protection 24/7[™]**



Nexus TKO[®]-6P Tri-Seal[™] design provides 3-Levels of Microbial Barrier Protection 24/7![™]

The Nexus TKO[®]-6P Tri-Seal[™] design with Slit-Lock[™] technology has been validated with 4-separate bacteria (S. aureus, S. epidermis, E. coli, and P. aeruginosa) by an outside GLP laboratory using a 96-activation protocol over the course of 4 days.

First Level of Protection:

A 360° compressed seal proven to provide a safe and effective microbial barrier protection between the septum and the needle-free connector housing

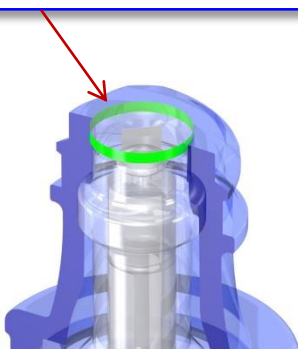
Second Level of Protection:

A smooth, easy to disinfect septum surface, promotes a safe and effective microbial barrier.

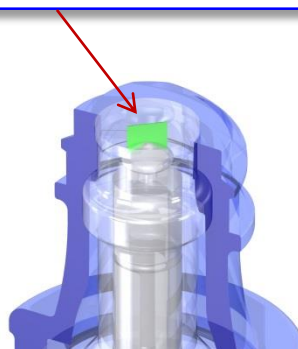
Third Level of Protection:

The *Slit-Lock*[™] septum protects the internal fluid path from microbial ingress while luer is activating

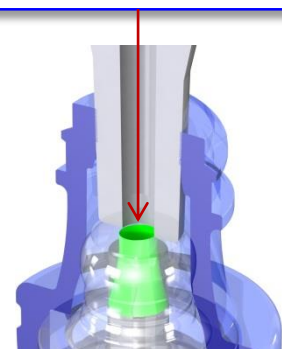
When not accessed, the Nexus Tri-Seal[™] design forms a safe and effective microbial barrier



Our Slit-Lock[™] technology forms an invisible slit seal providing Microbial Barrier Protection 24/7![™]



The Slit-Lock[™] septum remains sealed until fully compressed deep inside the fluid path. (Self-Opening Slit Septum)



Anti-Reflux Technology

Performance

Nexus TKO[®]-6P is your proven solution in providing
*IV Catheter Patency 24/7!*TM

Causes of Blood Reflux & Catheter Occlusions

PHYSIOLOGICAL:

Patient Movement
 Crying
 Coughing
 Sneezing
 Respiration
 Vomiting

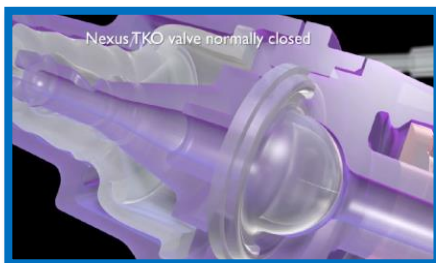


MECHANICAL:

Syringe connection/disconnection
 Syringe plunger rebound
 Venous pressure changes
 IV bag runs dry
 Low KVO/flow rates
 Ventilators & IV Pumps

“Theoretically, Blood Reflux into either the IV catheter or the needleless connector increases both the risk of occlusion and biofilm formation.”¹¹

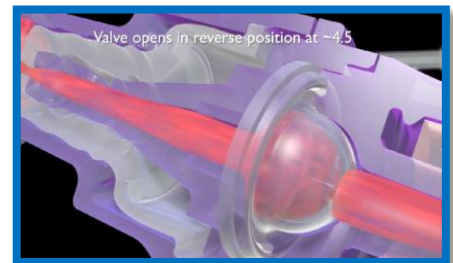
William R. Jarvis MD



Normal Closed Position:
 The TKO diaphragm provides
Blood Reflux Protection 24/7!









Flush/Infusion:
 The TKO diaphragm opens
 forward with normal gravity



Blood Draw/Patency Check:
 The TKO diaphragm opens in
 reverse for easy blood draw





-  **Blood Reflux Protection 24/7™**
-  **IV Catheter Patency 24/7™**
-  **Nexus Tri-Seal™** microbial barrier design⁶
-  **Bi-Directional Flow Control 24/7™**
-  **Productive Flush®** clear, direct internal fluid path⁶
-  **Viathane™** kink-free power injectable tubing

Nexus TKO®-6P Performance Specifications

510K	K130416	Mechanical Hemolysis ⁶	No
Power Injectable	325 psi, 10 mL/sec	No Latex	Yes
Flow Rate at Gravity ⁶	75 mL/min or 4500 mL/hr	No DEHP	Yes
Approx. Priming Volume ⁶	0.13 mL	Blood Compatible	Yes
Functional Activations	100	Lipid Compatible	Yes
7-Day Use	Yes	Materials	Polycarbonate, Silicone
Saline Only	Yes	Biocompatible Materials	Yes
Swabbable	Yes	MRI Compatible	Yes
Microbial Barrier ⁶ (Ingress)	Yes	Direct Fluid Path	Yes
Flushing Efficacy ⁶	≤ 5 mL	Clear Fluid Path	Yes

**Blood Clots,
Catheters Don't!**

"Go Inside the Vein!"

www.nexusmedical.com



11315 Strang Line Rd
Lenexa, KS 66215
P: 913-451-2234
F: 913-451-2363

1. Jasinsky RN BSN, J Wurster RN MSN, "Occlusions Reduction and Heparin Elimination Trial using an Anti-Reflux Device on Peripheral and Central Intravenous Lines", *Intravenous Nurses Society* 2. S Mitch RN CRNI, B Brandmeyer RN BSN, "PICC and Midline Catheter Occlusion Rates: A Prospective Study Comparing the Interlink Split Septum Device versus Nexus TKO Split Septum Pressure Activated Anti-Reflux Valve" 3. William Jarvis MD, "Choosing the Best Design for Intravenous Needless Connectors to Prevent HA-BSI, *Infection Control Today*, 4. Hadaway RN, C, CRNI, MEd, "Reopening the Pipeline, *Nursing* 2005, 5. Jean-Francois Timit MD, CVC "Related Thrombus in ICU Patient, incidence, Risk Factors & relationship with Catheter-related Sepsis" *Chest Journal* 2008 6. Lab results on file at Nexus Medical LLC *Footnotes 1-5 used in other Nexus literature found online at www.nexusmedical.com