

**Nexus TKO<sup>®</sup>-6P**

*Luer Activated  
Anti-Reflux Device*



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



- Since 2001



# Nexus TKO<sup>®</sup>-6P

## Features & Benefits

### Nexus TKO<sup>®</sup>-6P provides a *Productive Flush*<sup>®</sup>:

The Nexus TKO<sup>®</sup>-6P was designed with a clear, rigid direct internal fluid path which enables an effective low volume *Productive Flush*<sup>® 6</sup>

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

The Nexus TKO<sup>®</sup>-6P delivers catheter patency with a single crystal clear Anti-Reflux diaphragm<sup>3</sup>

### No clamping sequence required:

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



## Nexus TKO<sup>®</sup>-6P Tri-Seal<sup>™</sup> design provides 3-Levels of Microbial Barrier Protection 24/7!<sup>™</sup>

The Nexus TKO<sup>®</sup>-6P Tri-Seal<sup>™</sup> design with Slit-Lock<sup>™</sup> 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

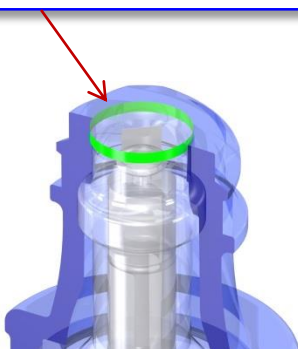
### Second Level of Protection:

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

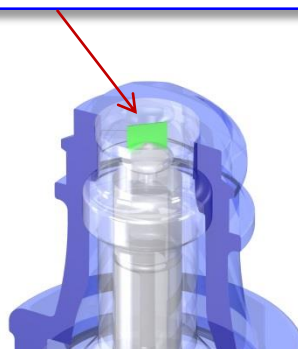
### Third Level of Protection:

The *Slit-Lock*<sup>™</sup> septum protects the internal fluid path from microbial ingress while luer is activating

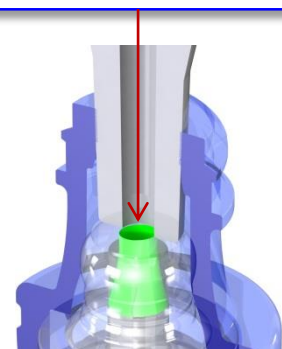
When not accessed, the Nexus Tri-Seal<sup>™</sup> design forms a safe and effective microbial barrier



Our Slit-Lock<sup>™</sup> technology forms an invisible slit seal providing Microbial Barrier Protection 24/7!<sup>™</sup>



The Slit-Lock<sup>™</sup> septum remains sealed until fully compressed deep inside the fluid path. (Self-Opening Slit Septum)



# Anti-Reflux Technology

## Performance

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

### Causes of Blood Reflux & Catheter Occlusions

#### PHYSIOLOGICAL:

Patient Movement  
 Crying  
 Coughing  
 Sneezing  
 Respiration  
 Vomiting

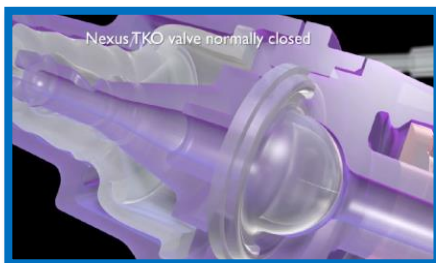


#### MECHANICAL:

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.”<sup>11</sup>

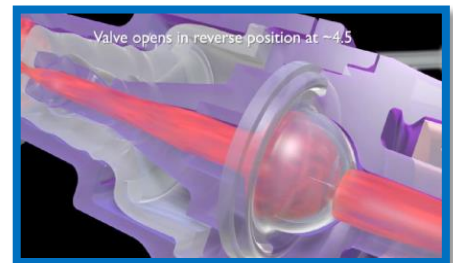
*William R. Jarvis MD*



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 design<sup>6</sup>
-  **Bi-Directional Flow Control 24/7™**
-  **Productive Flush®** clear, direct internal fluid path<sup>6</sup>
-  **Viathane™** kink-free power injectable tubing

### Nexus TKO®-6P Performance Specifications

510K	K130416	Mechanical Hemolysis <sup>6</sup>	No
Power Injectable	325 psi, 10 mL/sec	No Latex	Yes
Flow Rate at Gravity <sup>6</sup>	75 mL/min or 4500 mL/hr	No DEHP	Yes
Approx. Priming Volume <sup>6</sup>	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 <sup>6</sup> (Ingress)	Yes	Direct Fluid Path	Yes
Flushing Efficacy <sup>6</sup>	≤ 5 mL	Clear Fluid Path	Yes

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

***"Go Inside the Vein!"***

**[www.nexusmedical.com](http://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](http://www.nexusmedical.com)