

Nexus TKO[®]-6PHV
Luer Activated
Anti-Reflux Device



**Designed to Provide Hi-Visibility
for Home Infusion Patients.**

*The bright green band easily allows Home Infusion Patients to visually distinguish between the extension set and TKO!
The safe and practical solution assists care providers in patient and family training procedures.*

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



- Since 2001



Nexus TKO[®]-6PHV

Features & Benefits

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

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

No clamping sequence required:

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



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

The Nexus TKO[®]-6PHV 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

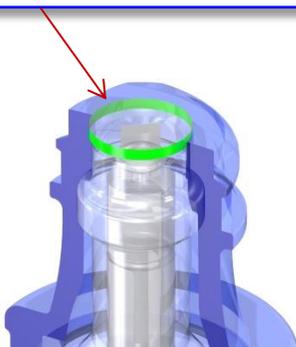
Second Level of Protection:

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

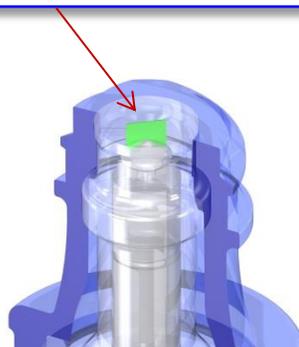
Third Level of Protection:

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

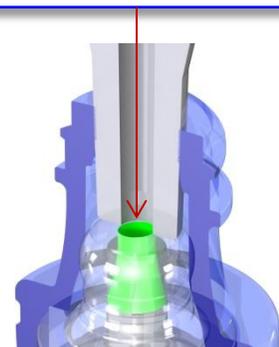
When not accessed, the Nexus Tri-Seal[™] design forms a safe and effective microbial barrier



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[®]-6PHV 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

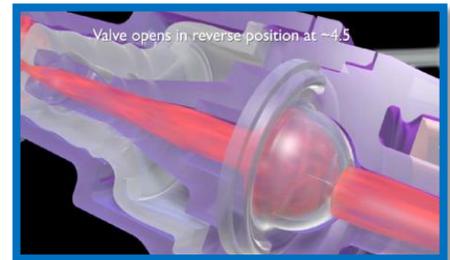
William R. Jarvis MD



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®-6PHV 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!"

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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