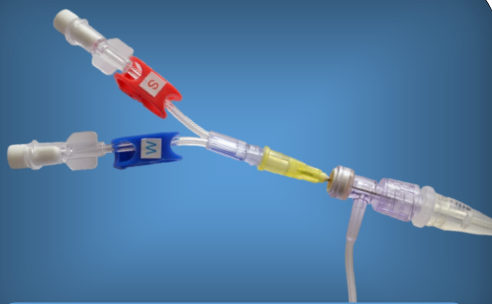


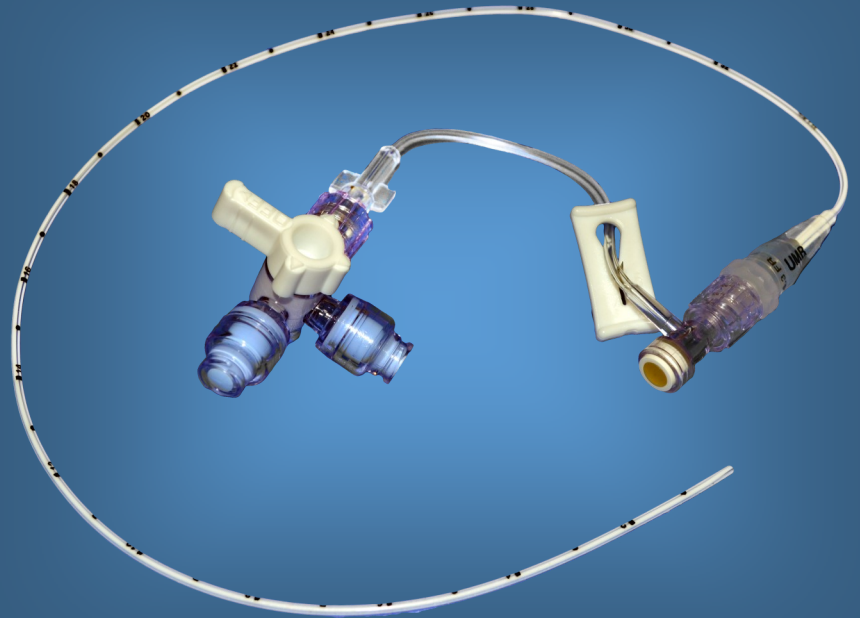
Hummingbird Med

"Micro Solutions" for the Neonate

Umbilical Catheter with Integral Low-Volume Closed Blood Sampling System



Hummi Micro-Draw Device Inserted into
Micro T Split Septum T-Connector



Reduced Risk for Infection and IVH Development During UAC Blood Sampling

Closed Port System

- Integral closed system for UAC blood sampling from the time of initial line placement.
- Closed access through the *Micro T Split Septum T-Connector* with microbial barrier; sampling directly from UAC catheter hub using the *Hummi Micro-Draw Blood Transfer Device*.
- Lowest volume clearance (0.5mL) and lowest flush volume (0.3mL) of any blood sampling system.
- Best practice infection control with closed port arterial line change and closed port flushing.

Reduced Risk for Alteration of Cerebral Blood Flow

- Reduce risk for alteration in cerebral blood flow in hemodynamic change in the neonate, now shown to contribute to IVH development.
- Seventy (70) percent reduction in overall blood/fluid movement required for UAC blood sampling when used with the *Hummi Micro-Draw Blood Transfer Device*.
- Overall blood/fluid movement during UAC blood draw of 4mL to 6mL is reduced to 1.3mL.
- Clearance volume for UAC blood draw is reduced to only 0.5mL.
- Reduced flush volumes for UAC after sampling to 0.3mL, contributing to more stable sodium values.
- Current blood sampling methods increase the risk of IVH/PVL in the use of umbilical catheters in neonates.¹

Improved Line Maintenance

- UAC catheter with closed blood draw system preassembled for improved infection control.
- Dual port device with integral valves provides closed line change port and closed flushing port.
- Reduced risk of biofilm formation in arterial line due to blood contact and residual blood in line after sampling and flushing.² No blood is drawn into arterial line for sampling with this closed system.
- Reduced air bubbles and wave form damping by elimination of extra in-line components.
- No impact on wave form integrity from integral closed sampling system.

High Quality UAC Catheter

- Highly visible French size and catheter type marking on catheter hub (Fig. 1)
- Clear distinct markings on catheter for easy visualization during placement (Fig. 2).
- Highly radiopaque for placement confirmation.
- Smooth rounded tip for reduced risk of vessel wall damage or perforation during insertion (Fig. 3).
- Available in polyurethane and silicone material.



Figure 1

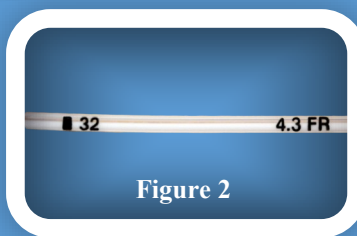


Figure 2

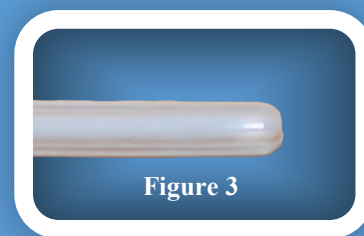


Figure 3

Integral Closed Blood Sampling System

- Utilizes the *Micro T Split Septum T-Connector* for direct access to umbilical catheter hub.
- The *Hummi Micro-Draw Blood Transfer Device* provides access with a 1mm diameter capillary size sterile blunt tube. Reduced portal size required for entry may reduce risk for bacterial ingress.³
- Only ONE access through the closed split septum required for entire blood draw procedure.
- Dual closed-port device for closed arterial line change and closed flush port, as recommended by Vermont Oxford Network for line setup and hub care for umbilical lines.⁴

Kit description

Single lumen, sterile, radiopaque catheter with radius tip, Hummi Micro-Draw Blood Transfer Device, Micro T Split Septum T-Connector, Dual Port Device with two closed-port silicone valves.

All components sterile, latex free, DEHP free, nontoxic.

UAC Closed Blood Draw Kit				Ordering Information		Hummi Micro-Draw & Accessories	
Catalog	Description		Material	Qty	Catalog	Description	Qty
UAC-HM-50P	5.0 fr.	32cm Polyurethane	PU	5 / bx	ABG-HM-1	Hummi Micro-Draw Blood Transfer Device	50 / bx
UAC-HM-50S	5.0 fr.	32cm Silicone	S	5 / bx	NMT8046	Micro T Split Septum T-Connector	100 / bx
UAC-HM-43P	4.3 fr.	32cm Polyurethane	PU	5 / bx	DPD-HM-2	Dual Port Device with two integral silicone valves	10 / bx
UAC-HM-35P	3.5 fr.	32cm Polyurethane	PU	5 / bx	ABG-3601-VS	1mL Self-venting syringe with 15 units Heparin	100 / bx
UAC-HM-35S	3.5 fr.	32cm Silicone	S	5 / bx	ABG-3603-VS	3mL Self-venting syringe with No Heparin	100 / bx
UAC-HM-25P	2.5 fr.	25cm Polyurethane	PU	5 / bx	Dual Lumen Configuration Available on Special Order		

