

Zorro-Flow®

External Urine Collection Device



WHY ZORRO-FLOW?

Because babies and caregivers deserve safe and effective tools designed to assess kidney health!



Finally, a non-invasive solution designed to be safe, effective, and painless...Even in the smallest patients!



Accurate

- Urine output monitoring with accuracy of +/- 1 ml at low volumes.
- Collect urine samples without absorbent materials which can alter urinalysis and biomarker results.
- Multiple sizes available



Safe, Effective, and Gentle

- Silicon-based products are soft and gentle.
- Silicone-based adhesives will not fragile skin even in premature neonates.
- Developed under an IRB in 100 babies. All safety endpoints met.
- Patent pending design is ergonomic shaped to fit comfortably.



Easy to Use

- Designed by physicians, nurses and wound specialists
- Non-Invasive
- Adheres to the skin to minimize leaks.
- Simple steps to place and remove
- Can be used for up to 24 hours.



Positive Economics

- UOP assessments assures appropriate, timely AKI diagnosis.
- Accurate AKI diagnosis important for coding of critically ill patients.
- Eliminates risk of catheter-associated urinary tract infections (CAUTI)
- Eliminates missed catheterization or bag leaks.

Contact US

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For more info and instructional videos



THE LIMITATIONS OF TODAY'S TOOLS



Risky

- Catheterization is associated with CAUTI – a leading cause of healthcare associated infections¹.
- Urine collection bags use adhesives which are NOT designed for babies sensitive skin².



Difficult to Use

- Catheter-based solutions are difficult, impossible in very premature neonates, and often are unsuccessful despite multiple attempts³.
- Urine output Quantification with cotton or diaper weights are challenging due to stool contamination⁴.
- Urinalysis tests are not accurate when exposed to absorbents (cotton or pads) due to protein absorbance⁵.
- Urine collection bags don't work well because they have poor fit, are contaminated with stool, and can damage fragile skin⁶.



Uncomfortable, Traumatic and Painful

- Bladder catheterizations are painful, traumatic, and can cause damage. They are often unsuccessful even with multiple attempts⁷.



Poor Healthcare Economics

- CAUTI are a CDC health-associated infections that are associated with high morbidity, mortality and costs^{8,9}.
- CAUTI lead to reduction in costs to hospitals with some estimates of >\$10,000 per pediatric CAUTI¹⁰.
- Failure to code for UOP- Acute Kidney Injury may limit optimized coding into higher Diagnosis Related Group (DRG).
- Relying on urinalysis tests with absorbents can lead to misdiagnosis.

1. Foster CB, et al. Pediatrics. 146 (4). 2020.

2. Askenazi D, et al. Abstract at AKI/CRRT 2020.

3. Harer MW, et.al. CJASN. 17(7):939-941, 2022.

4. De Mul, A. et al. CJASN. 17, 949-956 2022.

5. Boohaker L, et.al. Clin Chem Lab Med. 57(6): 2019.

6. Kaufman J. et.al. Br J Gen Pract. 70(690): 42–43. 2020.

7. Pellowe CM, et al. Infant. 3 (4). 2007.

8. <https://www.cdc.gov/uti/about/cauti-basics.html>.

9. Hollenbeak CS, et al. Am J Infect Control. Jul 2018; 46(7):751-757.

10. Spencer JD, et al. Pediatr Nephrol. 2010 Dec; 25(12): 2469–2475.