

Pediatape® Pediatric Emergency Tape — Instructions for Use

Manufacturer: *Pediatape, LLC | www.pediatape.com | info@pediatape.com* **Product:**
Pediatape Pediatric Emergency Tape, 2026 Edition **Classification:** *FDA Class II Medical Device*

Device Description

Pediatape is a color-coded, length-based pediatric emergency reference tape. It provides healthcare providers with rapid weight estimates, pre-calculated medication doses and volumes, equipment sizes, cardioversion/defibrillation energy values, fluid calculations, and vital sign ranges for pediatric patients from approximately 3 kg to 36 kg.

The tape is printed on both sides using the standardized color zone sequence (Grey, Pink, Red, Purple, Yellow, White, Blue, Orange, Green). Medications are listed alphabetically with doses in mg/kg and pre-calculated mL volumes for standard concentrations. Pediatape color zones are compatible with Broselow Tape® color zones and color-coded equipment systems.

Intended Use

Pediatape is intended for use by trained healthcare professionals as a point-of-care reference tool during pediatric emergencies. It is not a substitute for professional clinical judgment, institutional protocols, or pharmacy verification.

Warnings and Precautions

- **Pediatape is a reference guide only.** *The patient's condition, history, allergies, and organ function must always be considered before administering any medication or performing any intervention.*
- **Verify drug concentrations.** *All volumes on the tape are calculated for the specific concentrations printed. Using a different concentration will result in a dosing error.*

- **Observe maximum doses.** Several medications on the tape include stated maximum doses. These limits apply regardless of the child's weight.
 - **Obese patients.** Length-based weight estimation may be inaccurate for children whose body habitus differs significantly from typical proportions. For obese children, consider using the next higher color zone. Always use a known accurate weight when available.
 - **Pediatric use only.** Pediatape covers patients from approximately 3 kg to 36 kg and is not intended for adults or neonates below 3 kg.
 - **Non-standard concentrations.** If your facility uses concentrations different from those printed on the tape, the mL volumes will not be accurate. Recalculate using the mg/kg dose and your available concentration.
-

Directions for Use

Measuring the Child

1. Place the child supine on a flat surface.
2. Align the end marked **"MEASURE FROM THIS END"** with the top of the child's head.
3. Extend the tape to the child's heel (foot flat at 90 degrees if possible).
4. Note the **color zone** at the heel.

Finding Equipment Sizes and Energy Values

Use the identified color zone to read across the Equipment section and the Cardioversion/Defibrillation section on the front of the tape.

Finding Medication Doses

- **If a known weight is available:** Use the "Dosing, Dilution, and Administration" reference section, which provides mg/kg dosing with administration instructions for each medication.
- **If weight is not known:** Read the pre-calculated dose and volume directly from the child's color zone column.
- **If neither weight nor length is available:** Use the age ranges printed on each zone as a last resort.

Always verify the concentration of the medication on hand against the concentration printed on the tape before drawing up the indicated volume.

Vital Signs, Fluids, and RSI

- **Vital signs:** Age-based reference ranges are printed within each color zone section.
- **Fluids and RSI medications:** Pre-calculated values are on the reverse side of the tape.

Care, Cleaning, and Replacement

- **Cleaning:** Wipe the tape using a standard hospital disinfectant wipe or a cloth dampened with a hospital-approved disinfectant solution. Use alcohol-based wipes or intermediate-level disinfectants compatible with laminated, vinyl-type materials.
- **When to clean:** The tape must be sanitized when visibly soiled and immediately after contact with any contaminated surfaces or patients.
- **Drying:** Ensure the tape is completely dry before returning it to its storage location or cart.
- **Do not submerge** the tape in liquid, as this may degrade the lamination or cause the tape to separate.
- **Storage:** Keep the tape in its designated, clean storage area.
- **Inspection:** Before each use, ensure the tape is clean, intact, and legible. If the tape is damaged, faded, or cannot be properly cleaned, replace it to prevent reading errors.
- **Replacement:** Replace the tape when it becomes illegible or damaged, or when a new edition is released incorporating updated clinical guidelines. Pediatape contains no hazardous materials and may be disposed of per your facility's standard waste procedures.

Adverse Event Reporting

Report any adverse events or quality issues to:

Pediatape, LLC — info@pediatape.com | www.pediatape.com

Reports may also be submitted to the FDA through MedWatch at www.fda.gov/medwatch or by calling 1-800-332-1088.

Pediatape® is a trademark of Pediatape, LLC. Broselow Tape® is a trademark of its respective owner. Pediatape is not manufactured by or affiliated with the makers of the Broselow Tape.

© 2026 Pediatape, LLC. All rights reserved.