

# Carbon Dioxide Detector



**PEDI-CAP®**

Just like Easy Cap II®, the *Pedi-Cap*® detector provides you with reliable, proven colorimetric technology. A nontoxic chemical indicator quickly responds to exhaled CO<sub>2</sub> with a simple color change from purple to yellow. As an adjunct to current practices, *Pedi-Cap*® provides a simple, cost-effective approach to documenting ET tube position in the emergency department, NICU, and PICU. So with *Pedi-Cap*® and *Easy Cap II*®, you can now standardize patient protocols - regardless of patient size.

## Ordering Information

Item Number	Description
#06Pedi Cap 6	Case of 6
#06Pedi Cap	Case of 24
#06Easy Cap II	Case of 24
#06Easy Cap II 6	Case of 6

The easiest way to improve patient safety.

The peace of mind you're able to feel comes from knowing you can count on a reliable Easy Cap II® detector to alert you to changes in ET/CO<sub>2</sub> levels. You know your patient will be intubated safely during transport from field to hospital and throughout the entire emergency treatment process.

## Easy Cap II® is a New Standard of Care.

The Easy Cap II® is ideally designed for crash carts, anesthesia intubation kits, ambulances, and the ER and ICU. Anywhere, in fact, where intubations may be required.

## Simple, Economical, Disposable

Easy Cap II® weighs less than an ounce and fits all standard airway connectors. It's easy to use and requires no warm-up time, or calibration of service.

*Easy Cap II*® and *Pedi-Cap*® are trademarks of Mallinckrodt.

## PEDI-CAP®

### Pediatric End-Tidal CO<sub>2</sub> Detector

The technology of Easy Cap II® available in a size suitable for pediatric and neonatal patients.\*

Even under the best of circumstances, intubations are a challenge. And when an intubation involves a pediatric or neonatal patient, the challenge of managing that small patient's airway grows significantly. *Pedi-Cap*® attaches to the endotracheal tube to detect ET/CO<sub>2</sub> levels with breath-to-breath response. By providing objective verification of correct endotracheal tube placement, the new *Pedi-Cap*® detector helps you meet the challenge.

\* *Pedi-Cap*® is recommended for use on patients weighing 1-15 kg.

**\*NEW - Longer Shelf Life ... Up To Three Years**

Specifications	<i>Pedi-Cap</i>	<i>Easy Cap II</i>
Recommended patient size:	Weight 1-15 kg	Weight over 15 kg
Internal volume: (dead space)	3 cc	25 cc
Resistance to flow:	2.5 cm H <sub>2</sub> O ± 0.5 cm @ 10 L/min flow	3.0 cm H <sub>2</sub> O ± 1.0 cm @ 60 L/min flow
Detector weight:	Less than 5 g	Less than 1 oz
Connector ports		
Patient end:	18 mm OD/15 mm ID	22 mm OD/15 mm ID
Circuit end:	15 mm OD/5 mm ID	15 mm OD/12 mm ID
Usage time:	Up to 2 hours	Up to 2 hours
Color chart:	"A" range approx. 0.03% to <0.5% ET/CO <sub>2</sub> (<4 mmHg) "B" range approx. 0.5% to <2.0% ET/CO <sub>2</sub> (4 to <15 mmHg) "C" range approx. 2.0% to 5.0% ET/CO <sub>2</sub> (15 to 38 mmHg)	

## Breath-to-Breath Response for Constant Visual Feedback.

A non-toxic chemical indicator quickly responds to exhaled CO<sub>2</sub> by a reversible color change. Color changes from inspiration to expiration with impressive sensitivity as ET/CO<sub>2</sub> levels rise and fall in a phasic manner. The color change is instant. You can detect ET/CO<sub>2</sub> ranges with each breath and begin to interpret results after just six breaths. It reliably detects end-tidal CO<sub>2</sub> for up to two hours, breath-by-breath.



Note: *Pedi-Cap*® and *Easy Cap II*® can be used with the Mercury Medical Hand Resuscitator Bags.

# Carbon Dioxide Detector

## StatCO<sub>2</sub><sup>®</sup>/Mini StatCO<sub>2</sub><sup>®</sup>

The first CO<sub>2</sub> detectors to reliably confirm proper ET tube placement for 24 hours and in 100% humidity are now available with larger CO<sub>2</sub> viewing windows for improved visibility of vivid color changes.

The StatCO<sub>2</sub>/Mini StatCO<sub>2</sub> devices measure the patient's expired breath via a colorimetric paper which indicates the amount of CO<sub>2</sub> present. Color codes demonstrate the following:

- Yellow - (5.0) CO<sub>2</sub>
- Green - (1.0 -2.0) CO<sub>2</sub>
- Blue - (0.0) CO<sub>2</sub>

### Features

- New, larger CO<sub>2</sub> viewing window for vivid breath-to-breath color change.
- Assists in verifying proper ET tube placement for 24 hours.
- Works in 100% humidity.
- Convenient pull tab protects the device. Remove the tab allowing activation of the CO<sub>2</sub> detector when you need it.
- Detects up to 50 breaths per minute.
- \*2 year shelf life.

### Benefits

- Easier to view color changes with larger viewing window.
- Provides generous timeframe when transporting patients.
- Performs in high humidity surroundings.
- Ideal verification device in Emergency Transport conditions.
- You control the activation of the 24-hour period.
- From manufacturing date of CO<sub>2</sub> indicator.

### INDICATOR COLOR INDICATES:

Blue	No CO <sub>2</sub> is present
Green	Between 1% - 2% CO <sub>2</sub> is present
Yellow	5% or more CO <sub>2</sub> is present
Permanent Yellow Color	A damaged indicator

### MECHANICAL SPECIFICATIONS

<b>StatCO<sub>2</sub><sup>®</sup></b>	Internal Volume: 25cc Resistance to Flow: 3.0 cm H <sub>2</sub> O nominal at 60L/min flow Weight: 22 grams nominal	Connector Ports: Patient end: 15mm I.D. standard taper Circuit end: 15mm O.D. standard taper
<b>Mini StatCO<sub>2</sub><sup>®</sup></b>	Internal Volume: 3 cc Resistance to Flow: 2.5 cm H <sub>2</sub> O nominal at 10L/min flow Weight: 5 grams nominal	Patient end: 15mm I.D. standard taper Circuit end: 15mm O.D. standard taper



### ORDERING INFORMATION

Part#	Description	Quantity
#10-55370	StatCO <sub>2</sub> <sup>®</sup> End Tidal CO <sub>2</sub> Detector (For patient body weight greater than 15 kg)	20/Box
#10-55371	Mini StatCO <sub>2</sub> <sup>®</sup> End Tidal CO <sub>2</sub> Detector (For patient body weight between 1 - 15 kg)	20/Box

Patents:  
StatCO<sub>2</sub> - US 6,502,573 B1  
Mini StatCO<sub>2</sub> - US 6,502,573 B1  
Other patents pending