

Newborn Critical Congenital Heart Disease (CCHD) Screening*: A Step-by-Step Instructional Guide¹

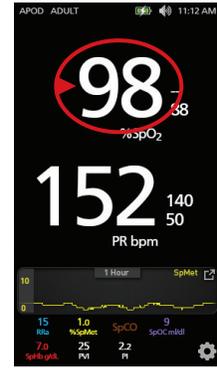
Using an Adhesive Disposable Sensor

STEP 1: PREDUCTAL (R HAND)

Place sensor on the outer lateral aspect of the RIGHT hand under the 4th or 5th finger; wrap the tape around the site, ensuring that the emitter (✦) and detector are aligned.



STEP 2: RECORD SpO₂



STEP 3: POSTDUCTAL (L OR R FOOT)

Place sensor on the outer lateral aspect of either foot under the 4th or 5th toe; wrap the tape around the site, ensuring that the emitter (✦) and detector are aligned.



STEP 4: RECORD SpO₂



STEP 5: CCHD SCREEN RESULTS

For screens conducted on newborns 24-48 hours of age or before discharge:

SpO₂ ≥ 95% in hand OR foot
AND hand-foot difference ≤ 3%

**Negative Screen
(Pass)**

SpO₂ 90-94% in the hand AND
foot OR hand-foot absolute
difference is > 3%
Repeat measurement in one hour

**Positive Screen
(Repeat 3 Times to Confirm)**

SpO₂ < 90% in hand OR foot,
OR 3 repeated positive screens
Refer infant for echocardiogram
& further medical evaluation

**Positive CCHD
Screening Test**

* Masimo does not make recommendations on particular screening protocols or cutoffs. The screening steps and values represented reflect the recommended pulse oximetry monitoring protocol developed by an expert work group selected by the HHS Secretary's Advisory Committee on Heritable Disorders in Newborns and Children (SACHDNC), American Academy of Pediatrics (AAP), the American College of Cardiology (ACC), and the American Heart Association (AHA).

Implementing Newborn CCHD Screening: Tools of the Trade

Oximeters		Neonatal/Infant Sensors	
 <p>Radical-7[†]</p>  <p>Rad-57[†]</p>  <p>Rad-5[†]</p>	ADHESIVE	 <p>RD SET[™] Inf</p>  <p>RD SET Neo</p>  <p>M-LNCS[™] Inf</p>  <p>M-LNCS Neo</p>  <p>LNCS[®] Inf</p>  <p>LNCS Neo</p>	
 <p>Radical-7 with Root[†]</p>	REUSABLE	 <p>M-LNCS YI</p>  <p>LNCS YI</p>	

[†] Kemper et al. *Pediatrics*. 2011; Vol. 128; No. 5; pp e1259-67.

Contact your Masimo representative for details or visit us at masimo.com.

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions.

Masimo U.S.
Tel: 1 877 4 Masimo
info-america@masimo.com

Masimo International
Tel: +41 32 720 1111
info-international@masimo.com

