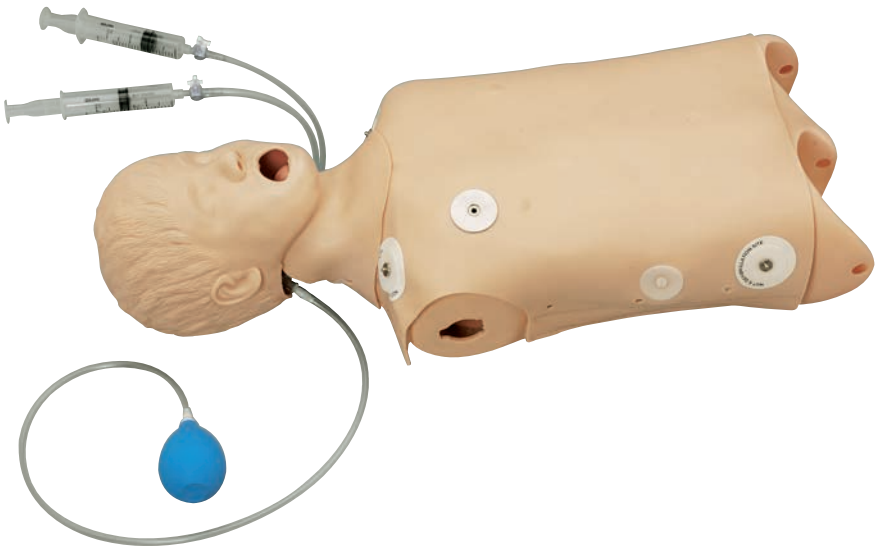
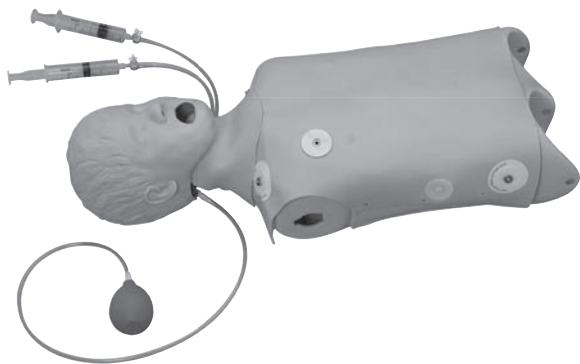




Advanced Child **CRiSis**™ CPR/Airway Management Torso with Defibrillation Features LF03763U Instruction Manual



Life/form® Products by Nasco



About the Simulator

The **Life/form**® Advanced Child **CRiSis**™ CPR/Airway Management Torso with Defibrillation Features

Present your students with the challenges they may face in the real world. **Life/form**® Advanced Child Airway Management Trainers offer tongue swelling and laryngospasm in addition to all the features on the standard models. These **Life/form**® advanced airway management trainers are perfect for practicing skills on pediatric patients and represent the size of eight-year-old patients.

Practice intubation, ventilation, suction, CPR, and jaw thrust techniques. Realistic anatomy and landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false and true vocal cords, trachea, lungs, esophagus, and stomach. The trainers allow you to practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., and Combitube® insertion. Separate lungs for auscultation. Inflatable stomach bladder indicates esophageal insufflation. With its slightly anterior position, swelling tongue, and vocal cords, each **Life/form**® Advanced Child Airway Management Trainer is great for introductory as well as advanced training. The **Life/form**® Advanced Child Airway Management Trainer with Defibrillation Chest Skin lets you practice defibrillation using standard manual, automatic, or semi-automatic external monitor defibrillators. An internal load box absorbs

the full strength of every shock to protect students and equipment. It is also possible to monitor the manikin just like a real patient, and it is compatible with all standard brands and types of defibrillators, monitors, and patient simulators. Features four ECG sites and two defibrillation sites. This torso is designed to be the foundation of the **Life/form**® Child **CRiSis**™ system. Arms and legs can be added later to provide IV access, intraosseous infusions, and blood pressure monitoring. Pump lubricant included. Three-year warranty.

The Nasco Child Airway Management Trainer allows you to practice oral, digital, and nasal intubation, as well as suction techniques. The simulator was designed to use an uncuffed endotracheal tube measuring up to 5.0 mm I.D. With proper care, our **Life/form**® Child Airway Management Trainer will provide years of valuable service.

List of Components

- Advanced Child Airway Management Trainer with Torso and Defibrillation Chest Skin
- 2 Syringes
- Pump Spray Lubricant
- Case

Setup

Your Child Airway Management Trainer is ready to use upon delivery. Simply remove from carton and unwrap packaging material.



Figure 1



Figure 2

Lubrication

Before intubating the Child Airway Management Trainer, lubricate both the simulator and tube with the pump spray lubricant provided. (See figures 1 & 2.)



Figure 3

Laryngospasm

Pull back the plunger of a 20 cc syringe and attach it to the red stopcock. (See figure 3.) Depress the plunger to force 1-5 cc of air into the system. Close the tubing port at the stopcock to maintain the pressure within the larynx. The syringe may be removed at this point.

Tongue Swelling

Pull back the plunger of a 20 cc syringe and attach it to the yellow stopcock. (See figure 4.) Depress the plunger to force approximately 10 cc of air into the system. Close the tubing port at the stopcock to maintain the pressure. The syringe may be removed at this point.



Figure 4

Caution: Do not overinflate! Excessive pressure may rupture the system. Stop inflation when resistance is felt or the larynx is observed to close. Always release the pressure when finished training by opening the tubing port at the stopcock.

Cleaning

Normal soil can be removed from the trainer with mild soapy water. Nasco Cleaner (LF09919U) will remove stubborn stains. Simply apply Nasco Cleaner to soiled area and wipe clean with a soft cloth or paper towel. **Note:** Do not use Nasco Cleaner around the mouth and nostrils of head, as the residue of cleaner could be toxic.

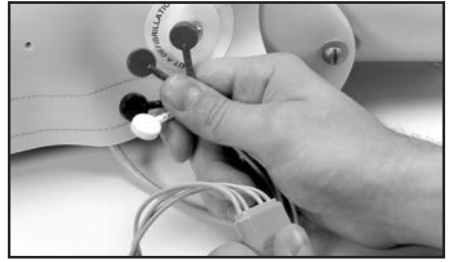
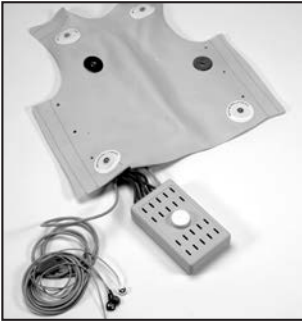


Figure 5

Connecting Your Patient Simulator

Connect the four-lead snap cable to your patient simulator.

Nasco has designed the Advanced Child **CRiSis**™ System to be compatible with a variety of patient simulators. This is possible via the standard four-lead snap cable. (See **figure 5.**) If your patient simulator has only two output posts, the red and black leads must be connected to the patient simulator.

If you want to connect the manikin to the simulator that came with your defibrillator, it is necessary to purchase the corresponding adapters from Nasco separately, if the patient simulator doesn't have the standard snap connectors. (Please see accessories at the end of this section). Once your manikin is connected to your patient simulator, you will be able to pick up the ECG waves either through the monitor hook-ups on the skin or through the two disks attached to the skin on the defibrillation sites.

These disks will enable you to pick up the ECG waves using either the "Quick Look" paddle option or directly through gel pads, just like on a real patient.

It is possible to use AED gel pads with the cable connectors built into the gel — the same ones you use on patients. In an effort to help you save money, Nasco offers a set of training buttons that will correspond to your particular AED unit. These buttons are sold separately, and can be used over and over again. They come as a set with the patient simulator adapters. (See accessories at the end of this section.)

The Defibrillation Chest Skin About the Simulator

The **Lifeform**® Advanced Child Defibrillation Chest Skin has been designed for the Advanced Child **CRiSis**™ manikin to enable you, the customer, to safely practice defibrillation.

The Child Defibrillation Chest Skin has been designed to absorb a maximum of 360 joules of energy*. Although capable of absorbing 360 joules, we recommend that the smallest energy level possible be used while training with the skin.

The Advanced Child Defibrillation Chest Skin will enable you to practice defibrillation using manual, semi-automatic, and automatic external defibrillators (AEDs). When using any one of these types of defibrillators in training, always follow the recommended operating procedures for that particular defibrillator.

***Note:** 360 joules is the maximum energy level that Nasco recommends administering to the defibrillation chest skin. Energy levels in excess of 360 joules may cause irreparable damage to the chest skin, circuitry, and patient simulator being used — thus voiding Nasco's warranty and endangering your equipment. Nasco assumes no liability for damage or injury that may be caused by the use and/or misuse of this equipment. All normal safety precautions for defibrillation training should be followed, and energy levels should be minimized. Nasco did not design nor intend this defibrillation chest skin to be used as anything other than a training apparatus for defibrillation.

Troubleshooting

Problem ECG wave is not being picked up from the manikin.

Solution

1. Check your connections on the patient simulator; one or more may be disconnected.
2. Check to make sure your patient simulator is plugged in and working properly.

Problem ECG wave is inverted.

Solution

Recheck the position of the red and black lead snaps on the patient simulator.

Note: If the defibrillation chest skin is not functioning or wiring comes undone, please contact us to repair or replace the unit. Failure to do so, or unauthorized repair, may void the warranty or cause further harm or damage to you or your equipment.

Cautions

Nasco recommends the use of the enclosed aerosol lubricant or a similar vegetable-based lubricant for use with our Child Airway Management Trainer.

DO NOT use a silicone-based or similar lubricant. This will cause your simulator to dry and crack, and will automatically void Nasco's warranty on the trainer.

Never place the trainer on any kind of printed paper or plastic. These materials will transfer indelible stains. Ball-point pens will also make indelible stains.

Available Supplies

- LF03644U** Pump Spray Lubricant
- LF03627U** Replacement Lung Set
- LF03628U** Replacement Stomach
- LF09919U** Nasco Cleaner

Accessories for Defibrillation Chest Skin

LF03656U Physio Control Training Pad Adapters and Patient Simulator Adapters for LifePak 10 and LifePak 20

LF03657U Marquette Electronics Training Pad Adapters and Patient Simulator Adapters

LF03658U SpaceLabs/Laerdal/Heartstart/First Medic Training Pad Adapters and Patient Simulator Adapters

LF03961U Zoll Training Cables with Adapters

LF03962U Physio Control Training Cables with Adapters for LifePak 20

Note: If you need help selecting the training pad adapters that correspond to your AED unit, please feel free to call us at **1-800-558-9595** for assistance.

Add-On Components

LF03612U Left Arm — IV Training

LF03613U Right Arm — Blood Pressure Monitoring

LF03614U Right Leg — Intraosseous Infusion/Femoral Access

LF03634U Left Leg (Nonfunctioning)

LF03670U Interactive ECG Simulator

LF03740U Universal AED Trainer

Other Available *Life/form*® Simulators

LF00698U	Adult Injectable Arm (White)	LF01184U	Venatech IM & Sub Q
LF00855U	Male Catheterization	LF01193U	Special Needs Baby
LF00856U	Female Catheterization	LF03000U	CPARLENE ® Series
LF00901U	Prostate Examination	LF03601U	Adult Airway Management Trainer with Stand
LF00906U	Ostomy Care	LF03602U	Adult Airway Management Manikin
LF00929U	Surgical Bandaging	LF03609U	Child Airway Management Trainer with Stand
LF00957U	Enema Administration	LF03616U	Child CRISIS ™ Manikin
LF00958U	Pediatric Injectable Arm	LF03617U	Deluxe Child CRISIS ™ Manikin with Arrhythmia Tutor
LF00961U	Intramuscular Injection	LF03620U	PALS Update Kit
LF00984U	Breast Examination	LF03623U	Infant Airway Management Trainer with Stand
LF00995U	Arterial Puncture Arm	LF03632U	Child Intraosseous Infusion/ Femoral Access Leg on a Stand
LF00999U	Pediatric Injectable Head	LF03633U	Child Airway Management Trainer Torso
LF01005U	First Aid Arm	LF03693U	Basic Buddy ® CPR Manikin
LF01008U	Intradermal Injection Arm	LF03699U	"Airway Larry" Airway Management Trainer
LF01012U	Heart Catheterization (TPN)	LF03709U	Infant CRISIS ™ Manikin
LF01019U	Ear Examination	LF03720U	Baby Buddy ™ Infant CPR Manikin
LF01027U	Peritoneal Dialysis	LF03750U	Fat Old Fred
LF01028U	Suture Practice Arm	LF03760U	Airway Management/Cricoid Pressure Trainer
LF01034U	Suture Practice Leg	LF03770U	Chest Tube
LF01036U	Spinal Injection	LF03953U	CRISIS ™ Manikin, Complete
LF01037U	Hemodialysis Practice Arm	LF03955U	Deluxe CRISIS ™ Manikin
LF01038U	Episiotomy Suturing Set	LF03956U	Deluxe "Plus" CRISIS ™ Manikin
LF01042U	Suture Kit	LF03965U	Adult CRISIS ™ Auscultation Manikin
LF01062U	Pelvic, Normal & Abnormal	LF03966U	Adult CRISIS ™ Auscultation Manikin with ECG Simulator
LF01063U	Stump Bandaging, Upper	LF04000U	GERI ™/ KERI ™ Manikin Series
LF01064U	Stump Bandaging, Lower	LF04200U	Adult Sternal Intraosseous Infusion
LF01069U	Cervical Effacement	LF06001U	CPR Prompt® Adult/Child Manikin
LF01070U	Birthing Station	LF06012U	CPR Prompt® Infant Manikin
LF01082U	Cricothyrotomy	LF06200U	CPR Prompt® Keychain Rescue Aid
LF01083U	Tracheostomy Care	LF06204U	CPR Prompt® Rescue and Practice Aid
LF01084U	Sigmoidoscopic Examination		
LF01087U	Central Venous Cannulation		
LF01095U	Blood Pressure Arm		
LF01108U	Infant Intraosseous Infusion		
LF01121U	Advanced IV Arm		
LF01131U	Venipuncture and Injection Arm		
LF01139U	Advanced IV Hand		
LF01142U	Auscultation Trainer		
LF01143U	Testicular Exam		
LF01152U	Male & Female Catheter		
LF01155U	Advanced CPR Dog		
LF01162U	Venatech IV Trainer		
LF01174U	NG Tube & Trach Skills		

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