



# Auscultation Manikin Update Package

**KERI**™ — LF04024U  
**GERI**™ — LF04004U

## Instruction Manual



ISO 9001 and ISO 13485  
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ISO 9001 and ISO 13485  
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**Life/form**® Products by Nasco



Congratulations for choosing the **GERI™/KERI™** Auscultation Update Package. This simple design makes the manikin easy to use and care for. A diagnosis of the condition selected by the instructor can be made by comparing the variation in sounds occurring at different sites — just like a real person! Lung sounds can be detected at five anterior and 12 posterior locations, and students can practice auscultation at six anterior heart sites. Before using this manikin with your students, please familiarize yourself with this manual.

### List of Components

- **GERI™/KERI™** Manikin Update
- SmartScope™
- Remote Control



**Figure 1**

### General Instructions for Use

The **GERI™/KERI™** Update comes ready to be attached to your existing manikin. To do this, you will need to use the arms, legs, and head of your existing manikin. The arms can be

removed by bending the elbows backward approximately 90° to align the keyholes at the shoulders. (**See figure 1.**) Then pull outward, away from the shoulder of the manikin. Reverse this procedure to attach the arms to the new **GERI™/KERI™** Auscultation Torso.



**Figure 2**

The legs detach from the body at the hips by bending the legs backward approximately 150° so that the feet are near the shoulders and the keyholes are aligned. (**See figure 2.**) Then pull outward, away from the body. Reverse this procedure to attach to the new torso.



**Figure 3**

The head may be removed by rotating it 180° backward to align the keyholes, and then pulling up. The internal stomach reservoir will come out of the body through the neck opening. Reverse this procedure to attach the head to the new torso.

## **Gastrostomy Care Lavage and Gavage**

A flanged hole simulating an abdominal incision for the insertion of a feeding tube is included on the upper torso for performing lavage and gavage. Inside the upper torso is a reservoir (bag) with a maximum capacity of 500 cc, which is attached to the gastrostomy opening with a two-part coupler. The bag is removed by pushing in on the clear L-shaped button and pulling it straight away. To attach, simply push the coupler body (with bag attached) onto the coupler insert (part with a black O-ring) that is protruding from inside the torso. You will hear a slight snap when the connection is complete. With extensive use, these two coupler parts may no longer snap, so the clear L-shaped button will have to be manually pulled all the way out after connecting the two parts. Test the connection by pulling on the coupler body to ensure that it is locked. This gastrostomy feature is designed for use with a 16 French feeding tube. It is recommended that the tip of the feeding tube be lubricated before inserting. Make sure the reservoir is straight and flat before attempting to simulate actual feeding with a liquid.

## **About the Auscultation Simulator**

The **GERI™/KERI™** Auscultation Manikin duplicates heart and lung conditions selected by the instructor by wireless remote control. The student should palpate to identify the correct auscultation sites. They will hear different heart and lung sounds as the SmartScope™ is moved from site to site.

The simulator has six heart sites and seven lung sound sites on the anterior surface, with 10 locations on the posterior surface and midaxillary sites. The remote control can select from 12 different heart conditions, as well as 16 lung conditions. The instructor can select any condition easily, enabling the student to compare sounds and make a diagnosis.

The remote control does not have to be pointed directly at the manikin or stethoscope to operate. One remote control will operate multiple sets of SmartScopes™ and manikins simultaneously. Great for group instruction. The range of the remote control is up to 100 feet.

## **General Instructions for Use**

To begin using the Auscultation Trainer, press the red power button. This turns on the remote control and sends a signal to activate the stethoscope as well. After the unit is activated, the display will be in the “status” mode, displaying the current menu settings for the heart and lung conditions.

To select a new condition, press either the heart or lung button. This will put the display into the menu mode. The user can select a condition by either using the number buttons, or by viewing the conditions in sequence using the scroll button. After the condition is selected, press the enter button to activate.

## **The remote control can be programmed to these heart conditions:**

- 01 Normal
- 02 Aortic regurgitation
- 03 Pulmonary stenosis
- 04 Mitral stenosis
- 05 Holosystolic
- 06 Mid-systolic
- 07 S3 Gallop
- 08 S4 Gallop
- 09 Systolic click
- 10 Atrial septal defect
- 11 PDA
- 12 VSD

**The remote control can be programmed to these lung conditions:**

- 01 Normal Lung
- 02 Normal Vesicular
- 03 Wheezes
- 04 Mono wheeze
- 05 Fine crackle
- 06 Coarse crackle
- 07 Ronchi crackle
- 08 Stridor
- 09 Cavernous
- 10 Bronchovesicular
- 11 Bronchial
- 12 Pulmonary edema
- 13 Infant
- 14 Friction rub
- 15 Egophony
- 16 Pectoriloquy

Consult the enclosed laminated card for lung and heart sound site locations.

To listen to the selected sounds, place the earpieces in ears, angled in a forward position. Place the diaphragm of the SmartScope™ over one of the appropriate sites on the manikin (see diagram on back).

As an alternative, an Amplifier/Speaker System (LF01189U) can be used, allowing an entire classroom to hear at the same time. To connect the speaker, plug the speaker cord into the speaker jack on the top of the Smart Scope™ box. When a speaker is connected to the SmartScope™, the earpieces will not work. Place the diaphragm of the SmartScope™ over the appropriate sites on the manikin.

**Note:** The remote has a battery saver that shuts the unit down after eight minutes if the remote is left on the same setting. To prevent it from shutting down, select a different heart or lung sound within the eight-minute period of time.

**Available Supplies**

**LF01144U** Additional SmartScope™

**LF01148U** Replacement Remote Control

**LF01189U** Amplifier/Speaker System



## Other Available *Life/form*® Simulators

- LF00698U** Adult Injectable Arm (Light)  
**LF00855U** Male Catheterization  
**LF00856U** Female Catheterization  
**LF00901U** Prostate Examination  
**LF00906U** Ostomy Care  
**LF00929U** Surgical Bandaging  
**LF00957U** Enema Administration  
**LF00958U** Pediatric Injectable Arm  
**LF00961U** Intramuscular Injection  
**LF00984U** Breast Examination  
**LF00995U** Arterial Puncture Arm  
**LF00999U** Pediatric Injectable Head  
**LF01005U** First Aid Arm  
**LF01008U** Intradermal Injection Arm  
**LF01012U** Heart Catheterization (TPN)  
**LF01019U** Ear Examination  
**LF01027U** Peritoneal Dialysis  
**LF01028U** Suture Practice Arm  
**LF01034U** Suture Practice Leg  
**LF01036U** Spinal Injection  
**LF01037U** Hemodialysis Practice Arm  
**LF01038U** Episiotomy Suturing Set  
**LF01042U** Suture Kit  
**LF01062U** Pelvic, Normal & Abnormal  
**LF01063U** Stump Bandaging, Upper  
**LF01064U** Stump Bandaging, Lower  
**LF01069U** Cervical Effacement  
**LF01070U** Birthing Station  
**LF01082U** Cricothyrotomy  
**LF01083U** Tracheostomy Care  
**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  
**LF01184U** Venatech IM & Sub Q  
**LF01193U** Special Needs Baby  
**LF03000U** **CPARLENE**® Series  
**LF03601U** Adult Airway Management Trainer with Stand  
**LF03602U** Adult Airway Management Manikin  
**LF03609U** Child Airway Management Trainer with Stand  
**LF03616U** Child **CRiSis**™ Manikin  
**LF03617U** Deluxe Child **CRiSis**™ Manikin with Arrhythmia Tutor  
**LF03620U** PALS Update Kit  
**LF03623U** Infant Airway Management Trainer with Stand  
**LF03632U** Child Intraosseous Infusion/ Femoral Access Leg on a Stand  
**LF03633U** Child Airway Management Trainer Torso  
**LF03693U** **Basic Buddy**® CPR Manikin  
**LF03699U** "Airway Larry" Airway Management Trainer  
**LF03709U** Infant **CRiSis**™ Manikin  
**LF03720U** **Baby Buddy**™ Infant CPR Manikin  
**LF03750U** Bariatric CPR Manikin  
**LF03770U** Chest Tube  
**LF03953U** **CRiSis**™ Manikin, Complete  
**LF03955U** Deluxe **CRiSis**™ Manikin  
**LF03956U** Deluxe "Plus" **CRiSis**™ Manikin  
**LF03965U** Adult **CRiSis**™ Auscultation Manikin  
**LF03966U** Adult **CRiSis**™ Auscultation Manikin with ECG Simulator  
**LF04000U** **GERI**™/**KERI**™ Manikin Series  
**LF04200U** Adult Sternal Intraosseous Infusion  
**LF06001U** CPR Prompt® Adult/Child Manikin  
**LF06012U** CPR Prompt® Infant Manikin  
**LF06200U** CPR Prompt® Keychain Rescue Aid  
**LF06204U** CPR Prompt® Rescue and Practice Aid

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