

# EarCheck®

Middle Ear Monitor

## USE & CARE MANUAL



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**IMPORTANT:** Read this manual completely before using the EarCheck® Middle Ear Monitor.

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Save these instructions.

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For answers to questions about use or service, call our Customer Care department toll-free at:  
1 (888) EarCheck • 1 (888) 327-2435

*El Manual para el uso y cuidado está disponible en español del departamento de Servicio al cliente o se puede descargar de [www.earcheck.com](http://www.earcheck.com)*

Innovia  
MEDICAL  
[www.earcheck.com](http://www.earcheck.com)

**STOP**

**Do Not Return Product to Store.  
Call Customer Care at 1-888-EarCheck.  
(327-2435)**



# IMPORTANT SAFEGUARDS

When using electrical products, especially when children are present, basic safety precautions should always be followed, including the following:

## READ ALL INSTRUCTIONS BEFORE USING

### **DANGER – To reduce the risk of electrocution:**

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1. Do not use while bathing.
2. Do not place or store product where it can fall or be pulled into a tub or sink.
3. Do not place in or drop into water or other liquid.

### **WARNING – To reduce the risk of burns, electrocution, fire, or injury to persons.**

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1. Close supervision is necessary when this product is used by, on, or near children or invalids.
2. Use this product only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
3. Do not use EarCheck Middle Ear Monitor as a substitute for consulting your doctor if your child needs medical attention or treatment.
4. Batteries can corrode and leak toxic liquid. Do not allow contact with skin or get into eyes. Discard device appropriately.
5. There are NO User Serviceable Parts. Do not attempt to take device apart or repair. Contact Customer Care.

### **CAUTION – The EarCheck Monitor should NOT be used for the following children:**

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- ✓ Children under 6 months of age
- ✓ Children with ear tubes (ventilation tubes)
- ✓ Children with water in the outer ear, such as those with swimmer's ear
- ✓ Children with known perforation or rupture of the eardrum
- ✓ Children with facial or ear deformities
- ✓ Children with visible drainage of pus or blood in the outer ear canal


## SAVE THESE INSTRUCTIONS

## Care, Cleaning and Storage

### Caring for your EarCheck Middle Ear Monitor

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Your EarCheck is simple to use and easy to maintain. However, it must be handled carefully to remain in good operating condition. Follow these instructions at all times:

1. Do not drop your EarCheck Monitor. Damage to the instrument's electronics may result.
2. Never let your EarCheck get wet. It could become permanently damaged if water or other liquids get inside.
3. If your EarCheck needs cleaning only use a soft dry cloth.
4. Do not introduce foreign objects into your EarCheck tip's opening. This can damage sensitive parts.
5. Do not take your EarCheck apart, as this will invalidate the instrument's warranty.
6. Do not expose your EarCheck to direct sunlight, temperature or humidity extremes, moisture, or dust.  
(See page 23 for operating conditions.)
7. Do not use cleaning solvents on product or tips. They may damage instrument.
8. Always replace batteries when "Low Battery" symbol  appears. Low batteries or defective batteries can result in a false or inaccurate reading.

## Care, Cleaning and Storage

### **Cleaning your EarCheck Middle Ear Monitor**

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To operate properly and to help prevent cross contamination, it is important that you keep the EarCheck tip clean. As required, or after each use if the optional Tip Cover is not used, gently wipe the surface of the tip with a cotton swab or lint free soft cloth moistened with alcohol. Allow the alcohol to completely dry prior to use of your EarCheck device. Do not allow the alcohol or any objects to get inside the tip as they may damage the sensitive electronics inside your EarCheck device.

### **Storing your EarCheck Middle Ear Monitor**

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- ✓ Store in a dry environment away from dust, contamination and liquids.
- ✓ Store at room temperature (50° - 95° F). Do not expose the instrument to extreme temperatures or humidity. For example, do not store in a car. If your EarCheck Monitor has not been stored at room temperature, keep it at room temperature at least 60 minutes before using it.



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Innovia Medical, LLC.

Customer Care

1 (888) EarChek • 1 (888) 327-2435

This Manual includes specific information as to your rights and obligations under the warranty offered by the Manufacturer

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## Thank you for purchasing the EarCheck Middle Ear Monitor

Thank you for purchasing EarCheck. You have joined a family of over 70,000 satisfied parents and caregivers who regularly use EarCheck as part of their child's health care. We hope that you find EarCheck helpful in taking the guesswork out of ear infections. Only EarCheck features the same patented proven technology used by thousands of physicians since 1997 and a technique recommended by the American Academies of Pediatrics and Family Physicians\*. EarCheck has also been FDA cleared and UL approved for your peace of mind.

Please read the entire Use & Care manual prior to using your EarCheck. Keep it in a safe place so that you can refer to it in the future if needed.

For more information, please visit our website at [www.earcheck.com](http://www.earcheck.com) or call our Customer Care Team at 888-Ear-Chek (327-2435).

\*The AAP/AAFP have not specifically recommended the EarCheck device.

## Quick Reference Guide


Use this Quick Reference Guide only after reading the Use & Care Manual completely.

### 1. Test Before Using.

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Insert your EarCheck tip firmly into the Verification Tube.

Press the SCAN button. An audible tone and each Level indicator will light up briefly in sequence, followed by the Red Level 5 indicator. This tells you the EarCheck Monitor is ready for use. If Red Level 5 indicator is not displayed, take a second reading.

If Red Level 5 is still not displayed, or if **Error Symbol**  appears, refer to “Troubleshooting” section of User’s Manual.

### 2. Stabilize the Child.

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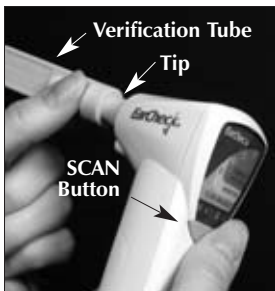
Place child in an upright position, sitting or standing. If necessary, you may hold the child in your lap in an upright position.

**Do not lay the child down as this may affect accuracy.**

### 3. Firmly Pull the Ear Up and Back.

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Tugging straightens the natural curve of the ear canal and allows your EarCheck Monitor to send sound waves straight down the ear canal for an accurate reading. **Hold “ear tug” through Step 5.**



1. Testing the EarCheck Monitor



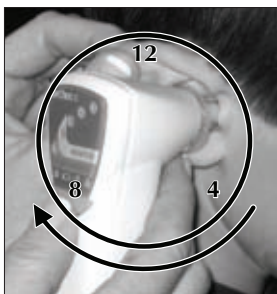
3. Pull ear up and back



4. Position EarCheck



## Quick Reference Guide



5. Press Scan Button



6. Read Results

### 4. Carefully Insert EarCheck Tip.

Gently place EarCheck tip over the child's ear canal. Hold the tip against the ear canal, pointing down the canal's opening. **Completely cover** the ear canal. Your EarCheck monitor tip is designed for safety to prevent it from being inserted too far into the ear.

### 5. Press the Scan Button.

With EarCheck tip in place, continue to hold the ear back. Press the scan button. Your EarCheck Monitor will make a soft chirping sound. You will hear a series of short tones followed by one long tone when the scan is complete. You may find it helpful to slowly move the EarCheck tip in a small circular motion. If the child's ear were a clock, rotate the EarCheck from 4:00 to 8:00 o'clock.

### 6. Read Results.

Remove EarCheck tip from ear and read the results. Level will remain displayed for about 5 seconds after the scan has been completed.

## 7. Reading Your Results. (See page 14 for more detail)

Level	Color	Probability of Middle Ear Fluid	
5	RED	Consult Doctor	High
4	RED	Consult Doctor	Moderate to High
3	RED	Consult Doctor	Moderate
2	YELLOW	Monitor	Low to Moderate
1	GREEN	Fluid Unlikely	Low

## When To Use The EarCheck Middle Ear Monitor

### Indications for Use

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EarCheck is an advanced medical instrument which is designed to detect the presence of middle ear fluid (i.e., otitis media with effusion) that may be associated with an acute ear infection. Middle ear effusion may be associated with temporary hearing loss in some children. The device is intended to assist the user in determining when to seek professional medical attention. The EarCheck monitor is designed for use in the home by parents and other caregivers on children from 6 months to young adult.

Read all instructions carefully before using your EarCheck.

After reading this Use & Care Manual, practice using your EarCheck device on a healthy child to become familiar with the proper technique for using the instrument.

### Description

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Your EarCheck uses a gentle sound (chirping) to check your child's ear. It will help you:

- ✓ Detect the presence of middle ear fluid, a key sign of a possible ear infection.
- ✓ Detect the presence of middle ear fluid remaining after an ear infection has cleared up.
- ✓ Determine when your child should be seen by a doctor for middle ear fluid.

#### About Otitis media

Otitis media is a general term referring to the inflammation of the middle ear space. The inflammation is often associated with fluid in the middle ear. Fluid may arise with or without infection.

## What You Should Know About Ear Infections

### Why Children get Ear Infections

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In a healthy child, the middle ear is filled with air. Sound waves enter the ear canal, causing the eardrum to vibrate and allowing the child to hear. If the middle ear is filled with fluid (which doctors call “effusion”), the eardrum’s vibrations are restricted. This can result in temporary hearing loss (called “conductive” hearing loss).

The air in the middle ear travels through a tube that connects the ear to the back of the nose. It is called the Eustachian tube. The Eustachian tube helps drain and control fluids in the middle ear.

A young child’s Eustachian tube is shorter, wider and more horizontal than an adult’s. As a result, infected fluids from the back of the nose may reach the middle ear more easily. That is why children are more likely to have middle ear fluid and develop ear infections.

When the middle ear becomes inflamed, the condition is called “Otitis Media.” When the middle ear is infected, the condition is called “Acute Otitis Media.” Acute Otitis Media is what we normally think of as an ear infection. It is often accompanied by pain, fever, and other symptoms.

When fluid is present in the middle ear without active infection, the condition is called “Otitis Media with Effusion.” Otitis Media with Effusion may be the result of a child recovering from an ear infection or may be associated with an oncoming ear infection. Fluid may persist in the middle ear for weeks to months after an episode of acute otitis media.

Although Otitis Media with Effusion does not generally cause symptoms such as pain and fever, it may impair the child’s hearing. Because the child does not appear to be sick, you may not realize the condition exists.

## What You Should Know About Ear Infections

### Hearing and Child Development

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A child's brain develops through the use of the five senses: sight, hearing, taste, smell and touch. The loss of any one of the senses may affect the child's development. For example, the loss of hearing may lead to speech delays, reading delays and learning disabilities, even after the condition is corrected. Middle ear fluid that remains in the ear and results in conductive hearing loss can have a long-term impact on child development.

### Checking a Child's Ears

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The EarCheck Middle Ear Monitor can be a useful instrument to check a child's ears in a number of situations:

- ✓ If the child is sick, it can help you determine if the symptoms are associated with middle ear fluid.

**IMPORTANT: DO NOT USE EARCHECK AS A SUBSTITUTE FOR CONSULTING YOUR DOCTOR IF YOUR CHILD NEEDS MEDICAL ATTENTION OR TREATMENT.**

- ✓ If the child is being treated for an ear infection, it can help you determine whether or not the middle ear fluid is going away. Although antibiotics can clear up an ear infection in several days, fluid can remain for weeks. Monitoring the fluid can help you and your doctor ensure that the condition is resolving.
- ✓ If the child has a cold, it can help you monitor the presence of middle ear fluid, which often follows upper respiratory infections (colds). This will help you and your doctor know when an ear infection may be developing.
- ✓ If the child has frequent ear infections, it can help you and your doctor follow the duration of middle ear effusion.

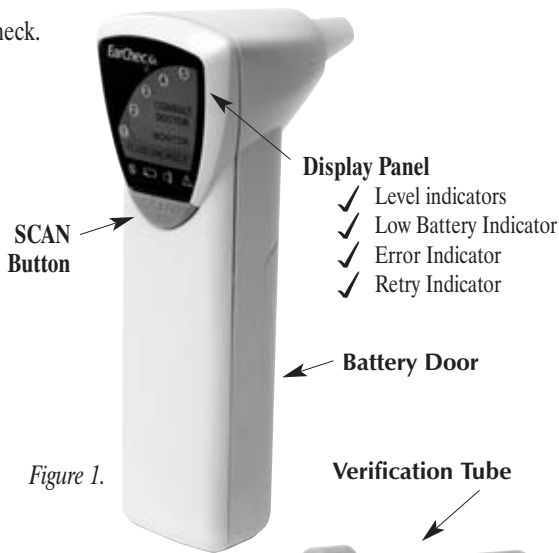
**CAUTION:** The EarCheck Middle Ear Monitor is a home health care product designed to accurately detect the presence of middle ear fluid that may be associated with ear infection. It should not be used for any other purpose.

## Getting To Know Your EarCheck Middle Ear Monitor

Your EarCheck package includes:

- ✓ The EarCheck Middle Ear Monitor
- ✓ Verification Tube
- ✓ Use & Care Manual with Quick Reference Guide
- ✓ Owner Registration Information
- ✓ 2 AA Alkaline Batteries (installed)

Study this diagram  
(*Figure 1 & 2*) to  
become familiar  
with your EarCheck.



*Figure 1.*

*Figure 2.*

## Using Your EarCheck Middle Ear Monitor

### Step 1. Test to make sure your EarCheck is functioning properly.

Before using your EarCheck monitor, test with the Verification Tube to make sure it is functioning properly:

- ✓ Insert your EarCheck tip firmly into the Verification Tube. (Figure 3)
- ✓ Press the SCAN button.

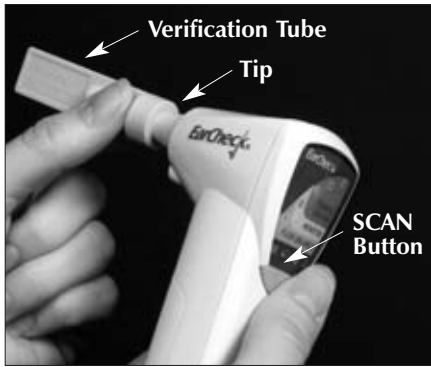




Figure 3 Testing the EarCheck Monitor

Listen for an audible tone and observe that each Level indicator lights up briefly in sequence, followed by the Red Level 5 indicator. This tells you the EarCheck Monitor is ready for use. If Red Level 5 indicator is not displayed, take a second reading.

**CAUTION:** If you still do **NOT** get a Red Level 5 reading or if the **ERROR** symbol  is displayed, do not use your EarCheck. Refer to the Troubleshooting section on Page 19 for more information.

**CAUTION:** Your EarCheck monitor uses sound waves to detect middle ear fluid and should be used in a quiet environment. Excessive noise may prevent a reading from being taken and cause the Retry Symbol  to be displayed.

**WARNING:** To prevent possible choking hazard keep Verification Tube away from young children.

## Using Your EarCheck Middle Ear Monitor

### Step 2. Install the Optional Disposable Tip Cover.

**NOTE:**

For your convenience, your EarCheck will work properly without a disposable Tip Cover installed. Tip Covers are designed for one time use.

- ✓ If you are using a disposable Tip Cover, install by holding the new Tip Cover at its base with your thumb and forefinger. Press the Tip Cover firmly over your EarCheck monitor tip until you feel the Tip Cover snap into place (*Figure 4*).
- ✓ To remove the disposable Tip Cover, grasp the base of the Tip Cover with your thumb and forefinger and pull firmly until the Tip Cover releases from your EarCheck monitor tip. Dispose of the old Tip Cover appropriately.



*Figure 4* Installing a Disposable Tip Cover

**WARNING:** To prevent possible choking hazard keep Tip Covers away from young children.

## Using Your EarCheck Middle Ear Monitor

### Step 3. Properly position child and instrument.

Place child in an upright position, sitting or standing. If necessary, you may hold the child in your lap in an upright position.

**CAUTION:** Do NOT lay the child down. This position may affect ear fluid levels and give an incorrect reading.

- ✓ Grasp the outer edge of the child's ear. Firmly pull the ear up and back (See *Figure 5*). Hold this "ear tug" through completion of Step 5.
- ✓ If the Retry Symbol ⊗ is displayed at Step 5, tug ear straight back or straight back and down. Tugging straightens the natural curve of the ear canal and allows your EarCheck to send sound waves straight down the ear canal for an accurate reading.
- ✓ Gently place EarCheck tip over the child's ear canal. Hold the tip against the ear canal, pointing down the canal's opening. Completely cover the ear canal. (See *Figure 6*.)



*Figure 5 Pull ear up and back*



*Figure 6 Position EarCheck*

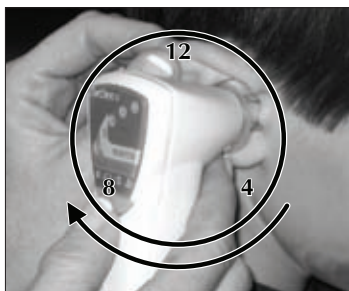
**NOTE:** The EarCheck monitor tip is designed for safety to prevent it from being inserted too far into the ear. However, at any indication or sign of discomfort, immediately remove the EarCheck tip from the child's ear and check for possible causes.



## Using Your EarCheck Middle Ear Monitor

### Step 4. Press the SCAN button.

- ✓ Press the Scan button. (See *Figure 7*). Your EarCheck will make a soft chirping sound. The Level indicators will light up in sequence followed by a Level reading. You will hear a series of short tones followed by one long tone when the scan is complete.



*Figure 7* Press Scan button

You may find it helpful to slowly move the EarCheck tip in a small circular motion. If the child's ear were a clock, rotate the EarCheck from 4:00 to 8:00 o'clock.

**CAUTION:** Excessive noise such as a crying child may affect the performance of your EarCheck.

### Step 5. Read Results.

- ✓ Remove the EarCheck tip from child's ear.
- ✓ Read results. (See *Figure 8*)

**CAUTION:** Do NOT remove EarCheck tip from the ear without first hearing the long tone or you may get an incorrect reading. EarCheck's Level readings will remain displayed for about 5 seconds after the SCAN has been completed.



*Figure 8* Read Results

## Using Your EarCheck Middle Ear Monitor

What to do if “Retry” Symbol ⊗ appears:

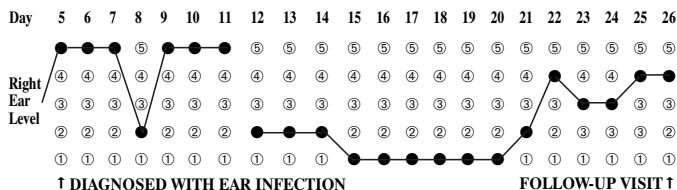
It is not unusual for a Retry symbol ⊗ to appear as you learn to use your EarCheck monitor. If the Retry symbol ⊗ appears, repeat Steps 3 to 5 (pages 11 - 12). If Retry symbol ⊗ reoccurs, refer to the Troubleshooting section of this manual (page 19).

**IMPORTANT:** If Retry symbol ⊗ continues after taking all of the above steps, scan both ears. If the Retry symbol appears for one ear, but a Level reading appears for the other ear, consult your doctor. An ear condition that EarCheck Monitor cannot measure may exist. (See Warning, page a.)

### Step 6. Record results on Home Monitoring Chart.

This Use & Care Manual includes a Home Monitoring Chart that allows you to track and record the presence of fluid in your child’s ears (page 25). Record daily your child’s EarCheck reading on the Home Monitoring Chart. By recording these readings over a period of time, you can track the progress of fluid resolution and provide your doctor with a more complete picture of the presence of middle ear fluid in your child.

Example:



**IMPORTANT:** If you take more than one reading within a few minutes and the results differ, a borderline condition may exist. Use the higher Level.

## Reading Your Results

Compare the Level indicated on your EarCheck display panel with the chart below.

Level	Color		Probability of Middle Ear Fluid
5	RED	Consult Doctor	High
4	RED	Consult Doctor	Moderate to High
3	RED	Consult Doctor	Moderate
2	YELLOW	Monitor	Low to Moderate
1	GREEN	Fluid Unlikely	Low

## Interpreting Level Readings

Level	Indication	What To Do Next
<b>RED</b>	<i>This Result May Appear With:</i>	
Levels 3-5	✓ A sick child (a child with pain, fever or other signs of illness) with an untreated ear infection.	Consult doctor.
	✓ A sick child who has been treated for an ear infection, but is not responding to antibiotics within reasonable time.	Consult doctor.
	✓ A sick child who is getting better.	Continue monitoring daily. If reading level does not continue to decrease within reasonable time, consult doctor.

## Reading Your Results

### Interpreting Level Readings (continued)

<u>Level</u>	<u>Indication</u>	<u>What To Do Next</u>
<b>YELLOW</b>	<i>This Result May Appear With:</i>	
Level 2	✓ A sick child whose signs of illness warrant medical attention.	Monitor. Consult doctor, if Level does not decrease within reasonable time.
	✓ A sick child who is getting better.	Continue monitoring daily. If reading level does not continue to decrease within reasonable time, consult doctor.
	or ✓ A well child. (Note: Some well children will always have Level 2 as a normal reading.)	
<b>GREEN</b>	<i>This Result May Appear With:</i>	
Level 1	✓ A well child.	No action required.
	✓ A sick child who does not have middle ear fluid.	Consult doctor if signs of illness warrant a medical opinion.

**Note:** Fluid may remain in the middle ear for several weeks after an ear infection has cleared. If it does, you should consult your doctor.

**IMPORTANT:** When you consult your doctor, be sure to describe any other signs and symptoms of illness the child may have, such as fever, pain, pulling or rubbing the ear, etc. Your doctor is your best source of information on your child's health. At any time that you have a question or concern about your child's health, contact your doctor.

## Monitoring The Child's Ear Health

If a child is already being treated for an ear infection, you can continue to use your EarCheck to monitor the child's ear health. If middle ear fluid is still present after a reasonable amount of time or if other signs of illness get worse, consult your doctor.

Middle ear fluid can fluctuate. A well child may have occasional high Level readings that do not last which may be due to a temporary blockage of the Eustachian tube. If a seemingly well child has occasional readings in Levels 3-5, continue to monitor daily to determine if the condition is temporary. If the child is sick, consult your doctor. If a child with known middle ear fluid has an occasional low reading, the child may have temporarily cleared the middle ear fluid by sneezing, blowing the nose, etc. Higher Level readings may return until the condition clears.

## Helpful Hints

- ✓ Practice using your EarCheck Middle Ear Monitor on a well, cooperative child to familiarize yourself with proper technique before using on a sick child. Refer to the “Using Your EarCheck Middle Ear Monitor” section of this manual for further information.
- ✓ Tug firmly on the child’s ear, pulling the ear straight back and up. If you still do not get a reading, tug the ear straight back or straight back and down.
- ✓ Use your EarCheck Monitor in a quiet environment to ensure best results. If the child is crying, calm the child down before using it. Turn off any radios or TVs and avoid loud background noises.
- ✓ It is not unusual for your EarCheck Monitor to display different results for the left and right ears. This may indicate that one ear has more fluid than the other.
- ✓ It is not uncommon to get different Level readings from the same ear in the same day. Middle ear fluid may develop or disappear rapidly, or the child may have a borderline condition.
- ✓ Your EarCheck Monitor is designed to work properly if there is some wax in the ear canal. However, if the child’s ear canal is completely blocked with wax, consult your doctor to remove the earwax.

## Replacing Batteries

Your EarCheck Middle Ear Monitor requires 2 AA Alkaline Batteries to operate properly. To replace the batteries, use the tip of a ballpoint pen and press the battery cover lock (Figure 9a). At the same time, press in at the top of the cover with the thumb and forefinger (Figure 9a). Slide the cover down and off. Remove and discard old batteries in the appropriate manner.

Replace with new batteries making sure that the positive symbol is in the correct direction as indicated inside the battery compartment (Figure 9b). Slide the top lip of the cover into place. Press the lower edge of the cover down and slide the cover up until it snaps into place (Figure 9c).

After replacing batteries, check to see that your EarCheck monitor is working properly (see Step 2, page 10).

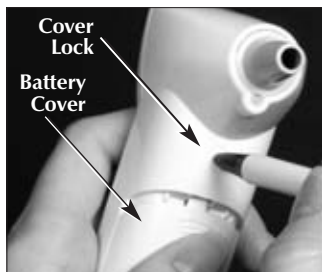


Figure 9a Remove Cover

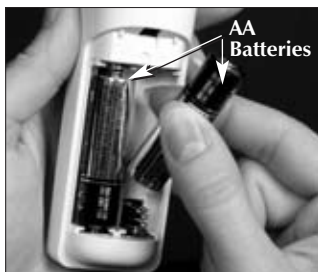


Figure 9b Replace Batteries



Figure 9c Replace Cover



## Troubleshooting

Your EarCheck Middle Ear Monitor is designed for trouble-free use. Should you encounter difficulty, consult the information below or call our Customer Care department at 1 (888) EarChek • 1 (888) 327-2435

<b>Problem</b>	<b>Possible Cause</b>	<b>Action</b>
<b>Retry Symbol*</b> ⊗	Ear tug is incorrect or not held through the entire process.	Try a variety of tugs, pulling the ear straight back and up, back and down, or straight back.
	EarCheck tip is not properly placed over ear canal, completely covering the outer ear canal.	Make sure EarCheck tip is over the ear canal and aimed straight down the canal. Continue ear tug while scanning.
	EarCheck tip is not aimed straight down the canal.	Slowly re-aim device down ear canal while continuing ear tug.
	EarCheck tip is dirty.	Clean EarCheck tip.
	Background noise is too loud.	Find a quiet location.
	Child is crying.	Calm child.
	Ear canal is completely blocked with wax.	Consult your doctor. Do NOT attempt to remove wax.
	Tip is removed from ear prior to completing scan.	Take another reading.



## Troubleshooting

Problem	Possible Cause	Action
<b>Fails Verification Test</b>	Verification tube is blocked.	Remove blockage.
	The EarCheck tip is not properly inserted in Verification tube.	Insert your EarCheck tip straight into the Verification tube as far as possible.
	The EarCheck Monitor is not at room temperature.	Move EarCheck Monitor to room temperature. Wait 60 minutes before using.
<b>Error Symbol</b> 	Device malfunction.	Test with Verification tube. If test successful, Retry. If unsuccessful call customer care.
<b>Low Battery Symbol</b> 	Weak batteries.	Replace batteries.

**\*IMPORTANT:** If error symbol is still displayed after taking all of the above steps, scan both ears. If the Error Symbol appears for one ear, but a Level reading appears for the other, a condition that the EarCheck Monitor cannot measure may exist.



## Customer Care

For assistance in the operation of your EarCheck Middle Ear Monitor or for service please visit our website at [www.earcheck.com](http://www.earcheck.com), or contact Customer Care at 1 (888) EarChek • 1 (888) 327-2435.

**IMPORTANT:** Should repair be needed within the warranty period, please call Customer Care at 1 (888) EarChek • 1 (888) 327-2435. To ensure prompt response and service, do not return your EarCheck without first obtaining a Return Authorization number from Innovia Medical. Call and explain the exact nature of the problem. Please indicate the lot number and serial number of the instrument located in the battery compartment. Be sure to include your phone number on any correspondence. Return the instrument to Innovia Medical insured and postage prepaid.

## 30 Day Satisfaction Guarantee

Use your EarCheck Middle Ear Monitor for three weeks until you are fully familiar with it. For assistance visit our website at [www.earcheck.com](http://www.earcheck.com) or call 1-888-EarChek (327-2435). After that time, if you are not completely satisfied with your Earcheck, we will refund your purchase price.

### Requirements for Refund

You must call Customer Care at 1-888-EarChek (327-2435) within 30 days of purchase, for a Return Authorization number and shipping address. Send your EarCheck prepaid and insured, along with your **name, address, phone, email** and Return Authorization. Include the **original sales receipt** indicating the date of purchase.

Sorry: No refunds will be made if damaged by accident, neglect or unreasonable use.

The EarCheck must be shipped in its original packaging or securely packed to avoid damage during shipping and be postmarked no later than 30 days after the date of purchase.



## 120 Day Limited Warranty

Your EarCheck Middle Ear Monitor is warranted to be free from manufacturing defects for a period of 120 days from date of purchase under normal household use. This warranty extends only to the original purchaser. This product is not warranted for professional use.

During the warranty period Innovia Medical, LLC. will either repair or replace (at our option) free of charge any parts necessary to correct faults in the materials or workmanship. This excludes damage to the product resulting from accident or misuse. You will need a store receipt or other proof of purchase showing the date on which the unit was purchased.

The above warranty is complete and exclusive. Innovia Medical LLC. expressly disclaims liability for incidental, special, or consequential damages of any nature. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above warranty may not apply to you.)

Any implied warranties arising by the operation of law shall be limited in duration to the term of this warranty. (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

This warranty gives you specific legal rights and you may have other rights which vary from state to state.

## Registering Your EarCheck Monitor

Please visit our website at [www.earcheck.com](http://www.earcheck.com) to register your EarCheck. This will assist us with providing Customer Care should it be needed in the future.



## Technical Specifications

### EarCheck Middle Ear Monitor

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Dimensions: 5.25in.(H) x 1.8in.(W) x 2.75 in.(D)  
(133mm x 47mm x 70mm)

Weight: 4.5oz (128 g). (With Batteries)

Sound volume: 80 dB. SPL. ( $\pm 6$ dB)

Display: LED display.

Display Hold Time: 5 sec.

Power: Two AA Alkaline Batteries.

Battery Life: approximately 1,000 readings.

Ambient Temperature Operating Range: +59°F to +95°F (15°C - 35°C).

Relative Humidity Operating Range: <75%

Storage Temperature Range: -4°F to +122°F (-20°C - +50°C).

Relative Humidity Storage Range: <85%

Operating Altitude Range: Up to 10,000' MSL

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulation.

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## How the EarCheck Middle Ear Monitor Works

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The EarCheck Monitor accurately detects the presence of middle ear fluid (i.e. otitis media with effusion) which may be associated with acute ear infection. It is clinically proven to be safe and reliable. It provides accurate results when used according to the instructions.

The EarCheck Monitor uses sound waves to detect middle ear fluid. It sends a pleasant chirping sound into the ear canal. Some of this sound bounces off the eardrum and travels back to the instrument's built-in microphone. The Earcheck Monitor then analyzes the reflected sound to determine if the eardrum is working normally. If there is fluid in the ear, the eardrum's vibrations may be restricted. The greater the fluid level, the greater the reflected sound.

This procedure is quick and painless. Within only seconds, you will be able to determine if a child has fluid in the middle ear. The results are easy for you to interpret (see "Reading Your Results" on page 14).

**Innovia**  
M E D I C A L

8527 Bluejacket Street, Lenexa, KS 66214

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