

Realityworks® Shaken Baby Syndrome (SBS) Simulator™

Instructor Quick Reference

Included Items

Your purchase includes the following items:

- Shaken Baby Syndrome Simulator in t-shirt and cloth diaper
- Four “C” batteries (installed in simulator)
- Battery cover key
- Curriculum

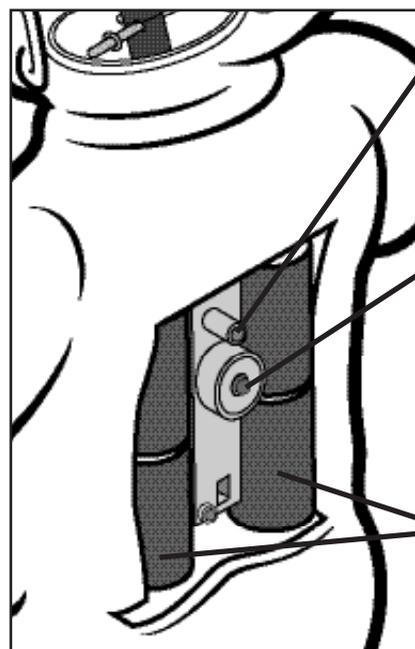
If any of these items is missing or arrives in nonworking condition, please contact Product Support at 800.830.1416 or +1.715.830.2040 or productsupport@realityworks.com.

Turning the Simulator ON

1. Pull out the tab at the bottom of the simulator's battery compartment.
2. With a pencil eraser or the blunt end of a pen, push the ON/OFF button (above right). The ON/OFF button is designed to prevent the user from turning off the simulator accidentally.
3. When the simulator is turned ON, the LED lights in the head will cycle three times to show correct operation (below).



4. Once the simulator is turned ON and the lights cycle three times, it begins to cry. Crying continues:
 - until the simulator is shaken with enough force to turn the cry OFF
 - until the ON/OFF button is pushed again
 - until one hour passes (e.g., the simulator is accidentally left ON)



Battery compartment

Low Battery Indicator
Flashing red light indicates that batteries need to be replaced before the simulator will operate.

ON/OFF Button
Pushing once turns the simulator ON, causes the LED lights in the head to cycle three times, and starts the cry. Pushing again turns the simulator OFF.

Batteries
Four “C” alkaline or rechargeable batteries. Do not mix rechargeable and non-rechargeable batteries. Although rechargeable batteries will work, it is strongly recommended to use four “C” alkaline batteries as this will provide a longer service and shelf life for this resource.

Shaking the Simulator

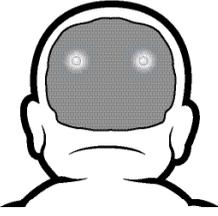
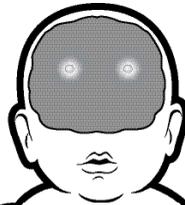
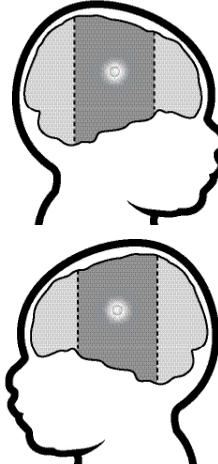
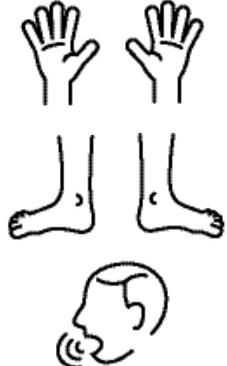
The simulator must be shaken firmly and forcefully to demonstrate the force needed to cause brain injury.

1. Turn the simulator ON. The cry starts.
2. Hold the simulator as you would a baby, with the front facing you and your hands on either side of the chest, under the arms.
3. Hold the simulator at eye level and shake it rapidly and forcefully.

NOTE: The simulator requires quick, forceful shaking. Gentle shaking or shaking in a long arc will not turn on the LEDs.

4. Continue shaking until the LEDs in all three areas of the brain are lit (see the Simulation Table on the next page).

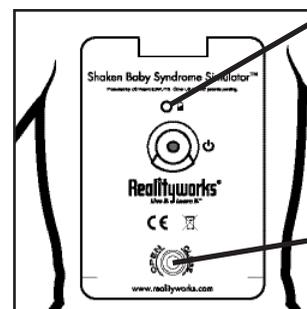
Simulation Table

Shaking Stage	Simulation		Associated Injury to a Child
	Sensor Activity	Demonstration of Injury	
Shaking begins	Head sensors detect the first level of acceleration and activate LEDs in the back of the brain.	 Injury to occipital lobe	<p>The occipital lobe of the brain, which controls vision, has been injured. The child can suffer visual disorders or blindness.</p>  <p><i>Corresponding symbol on simulator's brain</i></p>
Shaking continues	Acceleration builds and sensors activate LEDs in the front of the brain.	 Injury to frontal lobe	<p>The frontal lobe of the brain, which controls memory and emotion, has been injured. The child can suffer cognitive and emotional disabilities leading to learning and behavioral disorders.</p>  <p><i>Corresponding symbol on simulator's brain</i></p>
Shaking continues	Acceleration builds to maximum and sensors activate LEDs at the sides of the brain.	 Injury to middle of the brain	<p>The area of the brain that controls movement of the arms and legs, the ability to speak, and the ability to process what is heard has been injured. The child can suffer numerous, severe disabilities and may die.</p>  <p><i>Corresponding symbol on simulator's brain</i></p>
 <p> <i>Right Arm</i> <i>Left Arm</i> <i>Right Leg</i> <i>Left Leg</i> <i>Memory</i> <i>Emotion</i> <i>Speech</i> <i>Vision</i> </p>			

Changing the Batteries

When the batteries need to be replaced, the low battery light on the back of the simulator flashes when the ON/OFF button is pushed, and the simulator will not turn ON.

1. Use the battery cover key to open the battery compartment.
2. Replace the batteries as shown on reverse.
3. Although rechargeable batteries will work, it is strongly recommended to use four "C" alkaline batteries as this will provide a longer service and shelf life for this resource.



Battery compartment

Low Battery Indicator
 Flashing red light indicates that batteries need to be replaced before the simulator will operate.

Battery Cover Lock
 Insert the battery cover key here and turn in the direction indicated to open.

Product Support

If you have questions about the operation of the Realityworks® Shaken Baby Syndrome Simulator™, please contact Product Support at 800.830.1416 or +1.715.830.2040 or productsupport@realityworks.com.