**SimGlo Bacteria by Pocket Nurse**®

**Training Manual**

**Purpose and Overview**

This education manual provides guidelines for educators using the Pocket Nurse® SimGlo Bacteria to demonstrate proper hand hygiene and infection control concepts.

**Materials Required** (but not limited to)

* Pocket Nurse® SimGlo Bacteria
* UV light source
* Hand washing facilities
* Paper towels
* Timer
* Safety goggles (optional)
* Documentation materials (e.g. worksheets, observation forms)

**Safety Precautions**

*Although**SimGlo Bacteria is non-toxic and safe for skin contact, the following safety precautions are recommended:*

1. Avoid contact with eyes and mouth
2. Do not ingest
3. Wash hands thoroughly after handling
4. Store product away from direct sunlight
5. Keep out of reach of young children

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**Best Practices for Educators**

1. Preparation
	* Review manual thoroughly before teaching
	* Practice demonstrations independently
	* Prepare all materials in advance
	* Set up backup equipment
2. Delivery
	* Use clear, concise instructions
	* Incorporate real-world examples
	* Encourage active participation
	* Allow time for questions
3. Follow-up
	* Document learning outcomes
	* Collect participant feedback
	* Review and adjust teaching methods
	* Maintain equipment properly

**Pre-Demonstration Setup**

1. Prepare the learning environment:
	* Ensure adequate lighting for general instruction
	* Have a dark area available for UV light demonstration (or simply turn off surrounding light sources)
	* Check that hand washing facilities are stocked and functional
	* Set up observation stations if conducting group training
	* Prepare documentation materials
2. Test equipment:
	* Verify UV light functionality (batteries may be needed)
	* Confirm quantity of SimGlo Bacteria is sufficient for class size
	* Ensure adequate consistency of SimGlo Bacteria (shake before each use)

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**Teaching Methodology**

*\*(Time frames are recommendations only and will vary based on class size)*

**Basic Demonstration (15-20 minutes)**

1. Introduction (3-5 minutes)
	* Explain the purpose of SimGlo Bacteria
	* Discuss the importance of proper hand hygiene
	* Review safety precautions
2. Initial Application (2-3 minutes)
	* Apply a small amount of SimGlo Bacteria to participants' hands
	* Instruct participants to rub hands together thoroughly in a hand-washing-like manner
	* Allow product to dry completely
3. UV Light Observation (3-4 minutes)
	* Dim room lights (or relocate to predetermined dark area)
	* Use UV light on participants’ hands to show initial bacteria coverage and document/photograph findings
	* Emphasize commonly missed areas during routine handwashing
4. Hand Washing Exercise (5-7 minutes)
	* Demonstrate proper hand washing technique
	* Have participants wash hands normally
	* Reassess participants’ hands following UV Light Observation steps described in #3 above
	* Identify and document missed areas (which may be consistent with those commonly omitted by the general population)

**Advanced Demonstrations**

**Cross-Contamination Scenario (20-30 minutes)**

1. Setup:
	* Apply SimGlo to specific objects in the environment (e.g. pencil or pen)
	* Create a routine task scenario (e.g. signing an attendance sheet)
	* Prepare documentation materials
2. Exercise:
	* Have participants complete routine tasks
	* Document contact points
	* Examine under UV light bacteria spread patterns seen on participants’ hands
	* Discuss bacteria spread/common transmission routes

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**Surface Testing (15-20 minutes)**

1. Setup:
	* Apply product to various surfaces:
		1. Smooth surfaces (e.g. tables, counters)
		2. Porous surfaces (e.g. fabric, paper)
		3. High-touch areas (e.g. doorknobs, keyboards)
	* Create a routine task scenario (e.g. cleaning bedside table, charting at workstation)
	* Prepare documentation materials
2. Exercise:
	* Have participants complete routine tasks
	* Document contact points
	* Examine under UV light bacteria spread patterns seen on participants’ hands
	* Discuss bacteria transfer patterns, residual contamination and cleaning effectiveness

**Overall Class Assessment Methods**

1. Direct Observation
	* Hand washing technique
	* Cross-contamination awareness
	* Safety protocol adherence
2. Knowledge Check
	* Pre/post testing
	* Scenario-based questions/answers
	* Participant live/practical skill demonstrations
3. Documentation
	* Mapping of bacterial spread patterns
	* Observing cleaning technique and efficiency
	* Evaluating participant feedback forms

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**Troubleshooting Guide**

**Common Issues and Solutions:**

1. Poor UV Light Visibility
	* Check UV light battery
	* Ensure room is sufficiently dark
	* Verify proper product application (apply only a small amount of product which must be completely dry before handwashing exercise)
2. Inconsistent Results
	* Check product expiration date (discard expired product)
	* Standardize application amount
	* Control environmental factors (e.g. excessive light is contraindicated)
3. Transfer Issues
	* Ensure proper product consistency (shake before each use)
	* Allow adequate drying time
	* Maintain optimal room temperature

**Documentation and Record Keeping**

1. Training Records
	* Participant information
	* Date and duration
	* Topics covered
	* Assessment results
2. Equipment Maintenance
	* UV light function checks
	* Product inventory
	* Cleaning records

**References and Resources**

* Manufacturer Training Manual
* Infection control standards per your institution
* Hand hygiene protocols per your institution
* Supplemental Educational Materials at instructor’s discretion