## Use Glo Germ MIST for Airborne Bacteria Simulation

You will need:

1. Glo Germ MIST
2. Glo Germ Hand-held UV Light
3. Open air space

**Step One**

To demonstrate a sneeze or cough, a quick spray of Glo Germ MIST will work.
To demonstrate a larger scale airborne contamination, spray Glo Germ MIST in the air while making a sweeping motion with your arm (3 - 5 seconds of spray time).

**Step Two**

Allow Glo Germ MIST 3 - 5 minutes to settle, it will be almost completely invisible to the naked eye.

**Step Three**

After the Glo Germ MIST has settled, use the UV light to detect how far the artificial germs have traveled (the artificial germs will glow bright blue under UV light).

## To use Glo Germ MIST on surfaces, do the following:

**Step One**

Evenly coat the surface by spraying MIST (i.e. door knob, clipboard, etc)

**Step Two**

Allow Glo Germ MIST 3 - 5 minutes to dry, it will be almost completely invisible to the naked eye.

**Step Three**

After the item (or surface) has been passed around or touched by everyone, use the UV light to detect how far the artificial germs have traveled (the artificial germs will glow bright blue under UV light).

***The same characteristics that make Glo Germ MIST behave like real germs, also make it hard to contain. Glo Germ MIST may remain suspended in the air for up to 5 minutes. Contact lens wearers may find it irritating. MIST may also spread and be hard to remove from certain surfaces and clothing. We recommend some trial usage in test*

**Find us on Facebook**

www.facebook.com/glogermcompany

# Glow so you know

Step One:
Apply Glo Germ Gel or Oil to hands.
**Glo Germ Gel used in photos**

Step Two:
Use UV light to see that you applied Glo Germ evenly.

Step Three:
Wash hands as you normally do.

Step Four:
Use UV light to see where you missed. Look closely around nail beds and knuckles.

# Training Manual

## Training Procedures For:

- Hand Washing
- Isolation Techniques
- Aseptic Techniques
- General Infection Control
- Airborne Bacteria Simulation

"Germs" that you can see

## Use Glo Germ Oil for Hand Washing - Professional Grade

**This product is runny, oil based and may stain clothing**

You will need:

1. Glo Germ Oil
2. Glo Germ Hand-held UV Light
3. Stop Watch or Timer w/second counter
4. Paper Towels
5. Soap
6. Warm, Running water

### Step One

Ask the trainee to hold out their hands, palms facing upright and fingers slightly bent. This allows the trainer to easily distribute the artificial germs where real germs are found. The trainer should apply 2 - 3 drops into each of the trainee's hands.

### Step Two

Ask the trainee to rub their hands together as if they are rubbing in lotion. Make sure they get the Oil in between their fingers, on the back of their hands, and have them scratch the palm of their hands to ensure the artificial germs have been distributed all over their hands (the artificial germs will glow bright orange under UV light). If excess Oil is applied, dab off with a paper towel.

### Step Three

Ask the trainee to wash and dry their hands as they normally would (Trainer should time this process). When trainee has completed washing and drying their hands, shine the UV light over their hands again to evaluate how effective their "normal routine" is. Pay close attention to their cuticles, under their nails, in between fingers and the backs of their hands.

### Step Four

Repeat steps one and two and ask the trainee to follow the hand washing techniques you have established and validated (length and technique of cleansing). Use the stop watch to ensure that the correct cleansing time and steps are taken. The trainee should see that only a few places glow under the UV light.

***The trainee will probably not be able to eliminate all of the artificial germs any more than they would be able to eliminate all real germs in the course of a simple or hygienic wash. Only the application of a protocol of surgical washing will make all the artificial germs disappear.***

## Use Glo Germ Gel for Hand Washing - General Public/Kid Friendly

**This product is lotion based and non-staining**

You will need:

1. Glo Germ Gel
2. Glo Germ Hand-held UV Light
3. Stop Watch or Timer w/second counter
4. Paper Towels
5. Soap
6. Warm, Running water

### Step One

Ask the trainee to hold out their hands, palms facing upright and fingers slightly bent. This allows the trainer to easily distribute the artificial germs where real germs are found. The trainer should apply nickel size amount into the trainee's hand.

### Step Two

Ask the trainee to rub their hands together as if they are rubbing in lotion. Make sure they get the Gel in between their fingers, on the back of their hands, and have them scratch the palm of their hands to get the "germs" under their nails (this product will apply just like lotion). Shine the UV light over their hands (the artificial germs will glow bright blue under UV light).

### Step Three

Ask the trainee to wash and dry their hands as they normally would (Trainer should time this process). When trainee has completed washing and drying their hands, shine the UV light over their hands again to evaluate how effective their "normal routine" is. Pay close attention to their cuticles, under their nails, in between fingers and the backs of their hands.

### Step Four

Repeat steps one and two and ask the trainee to follow the hand washing techniques you have established and validated (length and technique of cleansing). Use the stop watch to ensure that the correct cleansing time and steps are taken. The trainee should see that only a few places glow under the UV light.

***Complete removal of Glo Germ with normal washing is more difficult if the skin is chapped or cracked, indicating that bacteria is also harder to remove. This will require a hand care regimen with a quality hand lotion twice daily and a judicious use of a hand sanitizing gel.***

## Use Glo Germ Powder to show Cross Contamination

**You can use Glo Germ Powder in a number of ways to show how germs spread.***

You will need:

1. Glo Germ Powder
2. Glo Germ Hand-held UV Light
3. Miscellaneous Non-Porous items

<u>To show how you can come into contact with germs from various surfaces, do the following:</u>

### Step One

Apply Glo Germ Powder to a non-porous surface (i.e. pen, door knob, ball, etc)

### Step Two

As the surface is touched, the artificial germs will spread with each person that comes into contact with the surface.

### Step Three

Use the UV light to demonstrate how far germs of all kinds are transferred. The artificial germs will glow bright blue under UV light (if you are using the Original Glo Germ Powder,if you use Yellow Powder, it will glow Yellow, Orange Powder will glow Orange).

<u>To show how germs on a person's hands spread, do the following demonstration:</u>

### Step One

Shake a small amount of Glo Germ Powder into the palm of your hand.

### Step Two

Shake hands with several people, or shake hands with one person and then have them shake hands with the next person, and so on, to create a line of contacts. The artificial germ contamination down the line of contacts can be detected up to ten people.

### Step Three

Use the UV light to demonstrate how far germs of all kinds are transferred. The artificial germs will glow bright blue under UV light (if you are using the Original Glo Germ Powder,if you use Yellow Powder, it will glow Yellow, Orange Powder will glow Orange).

<u>To use Glo Germ Powder in a kitchen setting to show cross contamination, we recommend the following demonstration:</u>

You will need:

1. Glo Germ Powder
2. Glo Germ Hand-held UV Light
3. Knife and Cutting Board
4. Iceberg lettuce and other salad ingredients

### Step One

Sprinkle Glo Germ Powder onto a head of iceberg lettuce (we recommend you do this out of sight of the trainees).

### Step Two

Using a knife, cut the lettuce up as you would for a salad. Set lettuce aside.

### Step Three

Using the same knife and cutting board, cut up other items for a salad (i.e. cucumbers, carrots, etc.).

### Step Four

Use items prepared to make a salad. Shine the UV light over all the ingredients and utensils used to prepare the salad. All the artificial germs will glow under the light and will demonstrate how one contaminated item can contaminate everything that it comes in contact with.

***Wash utensils with soap and hot water after demonstration. All food items used should be thrown away and not consumed. While Glo Germ products are non-toxic it is not recommended to ingest them.***

## Use Glo Germ Surface Detection Gel for Surface Cleaning

You will need:

1. Glo Germ Surface Cleaning Detection Gel
2. Glo Germ Hand-held UV light
3. Non-Porous Surface (Table, Counter-top, etc)

### Step One

Place a small drop on a non-porous surface and lightly spread with a cotton swab (Q-tip) using a pattern stroke unique to you, until the Surface Gel is no longer visible in normal lighting.

### Step Two

Have the trainee clean the surface where Surface Gel was applied, as they normally would.

### Step Three

Pass the UV light over the surface and remaining artificial germs will glow bright blue if areas aren't cleaned thoroughly.

***The Surface Cleaning Detection Gel is effective only with the use of a surfactant (Soap) cleaning solution. However, if the swab pattern has been disturbed, it does show poor cleaning or a disinfectant may have been used to clean the area instead of soap.***