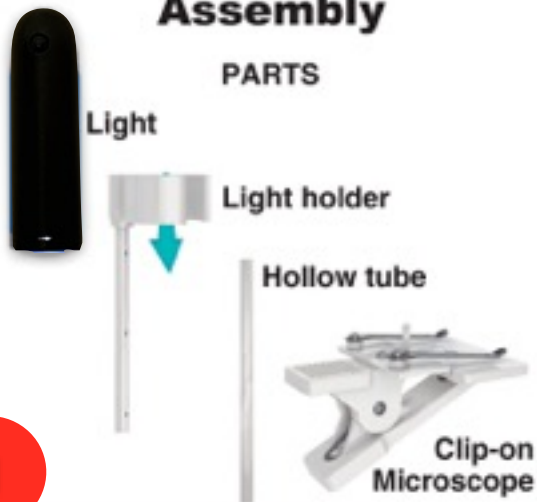


## Clip-on Microscope Assembly

### PARTS



1

Slide the light into the light holder.



2



Slide the light holder into hollow tube.

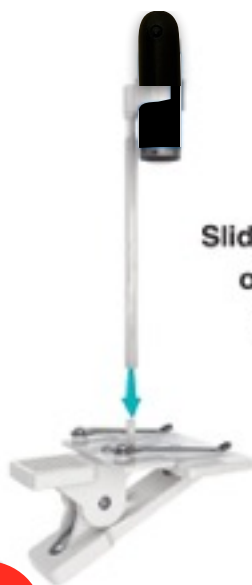
Press all the way down.

3



Press button to turn on light

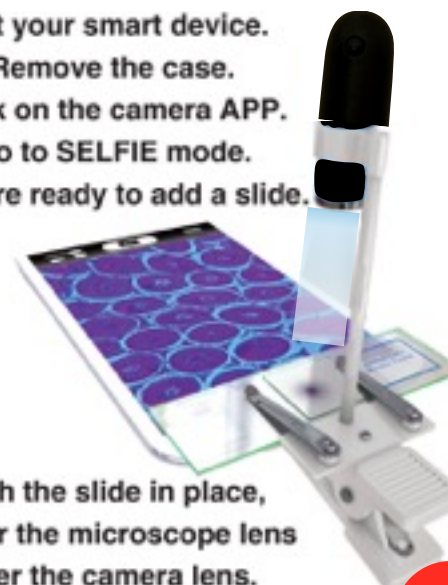
4



Slide the light tube onto the post on the clip.

5

Get your smart device.  
Remove the case.  
Click on the camera APP.  
Go to SELFIE mode.  
You are ready to add a slide.



With the slide in place, center the microscope lens over the camera lens.

6

## How to Store the Clip-on Microscope Lens

This lens is tiny and powerful. Treat it with respect.  
Small dust particles can appear as large blotches on this lens.

To keep the lens clean when not in use: (1) COVER the top of the lens with a slide and (2) PROTECT the bottom surface of the lens by clamping the piece of cleaning cloth provided. This will avoid stray particles from accumulating on the surfaces of the lens.

## How to Clean the Clip-on Microscope Lens

Avoid using paper towels or other paper products to wipe the lens as such products can shed lint onto the lens as well as scratch it through abrasion.

Do use the special wipes provided with the kit and available for purchase.

Do use special lens cleaning liquids specifically designed for lenses.

## How to Avoid Scratching the Clip-on Microscope Lens

FIRST put the slide you wish to look at under the two metal clip to hold it in place.

NOTE: If the two metal clips that hold the slide down are too tight, gently bend them up to decrease or lessen the tension.

AFTER the slide is in place, open the clip and position the microscope over the camera lens. Avoid dragging the bottom of the microscope lens over the camera, as dragging may scratch the bottom surface of the microscope lens. This is primarily an issue with the main camera where there may be ridges and raised surfaces depending on the device.

**THE MICROSCOPE LIGHT MUST BE TURNED ON TO VIEW MOST SLIDES.**

**Batteries:** The Clip-on Microscope uses 3 LR44 button style batteries. The batteries can be replaced by unscrewing the button compartment, then pry open the batter cover. Replace cover and reconnect and secure the compartment with screw.

## Recipe For Saline

166 ml. of water (use graduated cylinder in kit or a liquid measuring cup to measure)  
1/4 teaspoon of salt (1.5 grams)

Stir. This will give you a .9% solution of salt, the concentration needed to make saline.

## Food Coloring Stains

20 drops of saline  
1 drop of blue (#1) food coloring

How long does it take for the color to stain the nucleus? (5-10 minutes?)

Experiment with more drops of coloring and different colors. Try blue and red together. Does adding in a drop of vinegar and/or a drop of isopropyl alcohol improve the stain?