

# Turbidity Tube

## Care and Use

Transparency / Turbidity Tube

Model: 60 cm

Made by: Forestry Suppliers

## Physical Description

Clear plastic tube, roughly 60 cm tall. Rubber stopper in one end that has a black and white quarters pattern on the inside. Centimeter measurements along the side. Bendable plastic tube and clip at base of tube.

## Assembly

The tube is shipped with the small outlet tube and clip unconnected to the main part of the turbidity tube.

To attach the small plastic outlet tube, run the end (not the end with the clip) under hot tap water for approximately 30 seconds. Immediately push the warmed end of the small tube onto the tap opening at the base of the main part of the turbidity tube.

## Use of Turbidity Tube

A turbidity tube is used to measure the turbidity, or clarity, of a water sample.

- Place the turbidity tube so that you can look through the open end down to the patterned rubber bottom.
- Squeeze the clip on the plastic tube so that water will stay in the tube.
- Pour water sample into the turbidity tube until you can no longer see the black and white pattern on the rubber bottom.
- Loosen the clip to let a little water out of the bottom until you can just barely see the pattern (but not clearly see). Then close the clip again.
- Measure the height of the water on the centimeter ruler on the side of the tube. This is the turbidity of the sample.

## Handling and Storage

When done, empty all water from the tube. If needed, rinse tube with clean water (e.g. tap water) to try to wash out any sediment or dirt. Also rinse out the small tube with clip.

Allow turbidity tube to dry (time permitting).

If the turbidity tube came in a plastic sleeve, please put it back into the sleeve before returning the tube to the kit box.

## Tips and Tricks

Do not take the rubber stopper out of the bottom of the tube. For accurate measurements, this needs to be level with the 0 cm mark on the tube. So just ... don't take it out.

Glitter lasts forever. It is hard to get out of a turbidity tube. Try to rinse it out, but don't worry if you can't get it all out.