

Solar Disinfection Instructions

Solar Water Disinfection, also referred to as SODIS is a type of portable water purification system that uses solar energy to kill biological contaminants, namely **viruses, bacteria, parasites like Giardia, and worms**. It is not effective against the more stubborn Cryptosporidium.

1. If necessary, filter the water to make it as clear as possible.
2. The bottles must be made of PET plastic or glass (a 2-liter soda bottle is okay).
3. The bottles must be in good condition, washed, colorless and transparent, and label-free.
4. Fill the bottles with water and close the cap.
5. Shake the bottles thoroughly to mix the oxygen.
6. Expose the bottles to direct sunlight for at least 6 hours or for 2 full days under cloudy conditions.
7. Store the water inside the treated bottles until you are ready to use them as refilling and storing the treated water in other containers increases the risk of contamination.
8. When desired, drink the treated water directly from the bottle or from a clean cup.