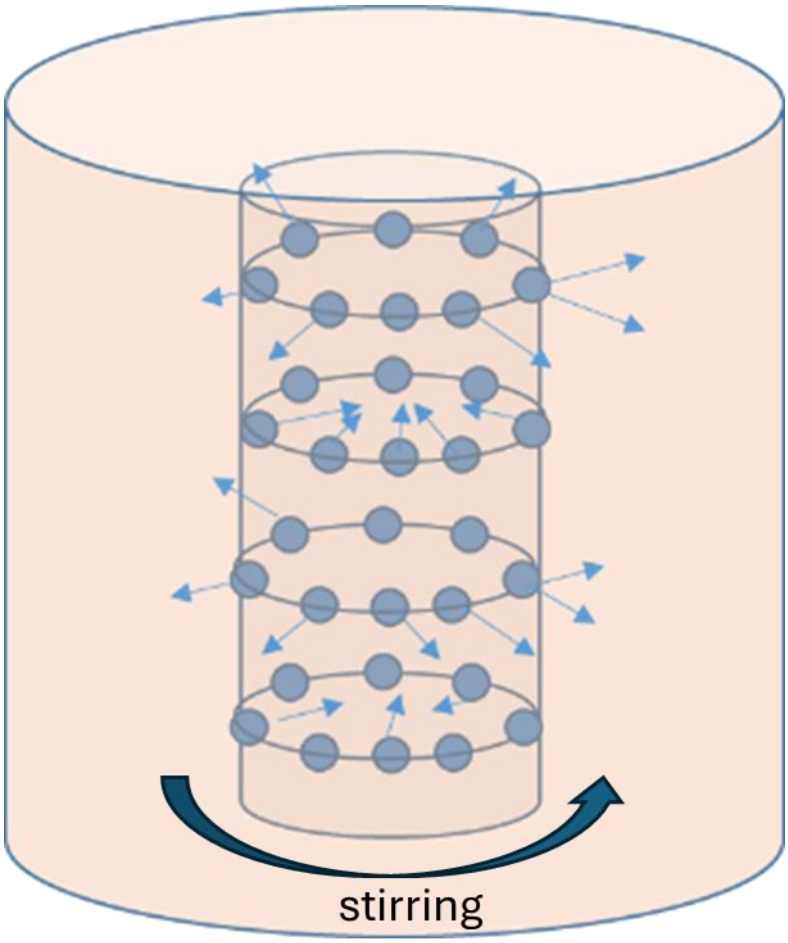
Supplementary Figure S1



Example of a tank with the device centered illuminating UV in both directions.

If the water in a container undergoing sterilization is being rapidly stirred, the device should be securely positioned to prevent it from moving to the side and leaving portions of the water in shadow.

As an example for a big container, the device could be place in the center of it, with UV LED lighting not only in one direction, but in both. In this way UV radiation would reach everywhere without leaving areas in shadow and its purification would be carried out in a more effective way.