



Sensors for Copper and Iron Detection in Water

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- ❑ Portable and cost effective method to test water
- ❑ Using reference cells to accommodate variation in cell phone cameras
- ❑ Building on previously developed colorimetric iron sensors
- ❑ WHO's upper limit on copper and iron consumption is 2ppm and 3ppm, respectively
- ❑ At low concentrations, copper and iron ions are necessary for life, but high levels can be detrimental to health and aquatic ecosystems

