



Top 10 BOD Tips

1. Calibrate the same way each day; post instructions. Consistency is the key!
2. Maintain lab temperatures at a consistent temperature (17-23°C or 63-73°F)
3. Low GGA results with synthetic seed? Consider using primary WW; mixed liquor or raw WW for seed. Low GGA is nearly always caused by weak or inadequate seed.
4. Use wide-tip pipets for influent samples and volumes of up to 50 mL and graduated cylinders for larger volumes.
5. Avoid storing dilution water in any plastic container; glass is preferred.
6. Never immerse latex tubing directly in BOD dilution water.
7. Never pipet out of the stock GGA solution bottle
8. Don't adjust the DO meter barometer unless it's off by more than 5 mm.
9. Consider replacing your polarographic DO meter & probe with an LDO instrument.
10. DO NOT incubate super-saturated samples; warm them to 21-22°C and shake vigorously in a partially filled bottle to strip excess DO.

Oh...and supersaturation does not mean 9.0 mg/L. Many samples will be supersaturated below 9 mg/L. A sample is supersaturated if its DO exceeds the saturation point as defined by sample temperature and pressure.