

Sampling Kit Checklist

COMPONENT

1. **Amber bottle** (provided by RMBEL).
2. **Cooler** (provided by RMBEL)
3. **Temperature blank** (provided by RMBEL)
4. **Smallmouth plastic bottle** (provided by RMBEL).
5. **Sulfuric acid preservative** (provided by RMBEL).
6. **Integrated Sampler** (must be purchased from RMBEL)
7. **Secchi disk** (free from MPCA: 800-657-3864, clmp@pca.state.mn.us)
8. **Ice pack** (provided by RMBEL).
9. **Sampling Field Procedures sheet**
(<http://www.rmbel.info/Reports/Static/SampleDataacc.aspx>).
10. **Sample Data / Chain of Custody / Physical Observations sheet**
(<http://www.rmbel.info/Reports/Static/SampleDataacc.aspx>).

PRESENT



See the reverse side of this sheet for descriptions of the components of the RMBEL Sampling Kit.



Sampling Kit Component Descriptions

1. Amber bottle (provided by RMBEL).

This bottle is used to hold lake water for chlorophyll-a analysis. The reason the bottle is dark glass, is so that the algae in the lake water are not exposed to sunlight and able to photosynthesize and increase in number.

2. Cooler (provided by RMBEL)

Before each sampling date, volunteers are shipped a cooler to hold the water samples and ship them back to RMBEL for lab analysis.

3. Temperature blank (provided by RMBEL)

This bottle is to be left in the cooler to monitor the temperature inside the cooler.

4. Smallmouth plastic bottle (provided by RMBEL).

This bottle is used to hold water for Total Phosphorus analysis. The sulfuric acid vial should be added to this bottle.

5. Sulfuric acid preservative (provided by RMBEL).

This vial contains sulfuric acid to add to the smallmouth bottle (#4) used for Total Phosphorus analysis.

6. Integrated Sampler (must be purchased but then is the property of the sampling organization, purchase by contacting Moriya Rufer, 218-846-1465, lakes.rmbel@eot.com). An integrated sampler is a 2-meter long tube used to take a water sample from the top 2-meters of the lake.

7. Secchi disk (must be obtained from the MPCA and then is the property of the sampling organization) disks can be ordered directly from the MPCA for free by contacting (CLMP@pca.state.mn.us, 800-657-3864) or <http://www.pca.state.mn.us/water/clmp.html#signup>.

8. Ice pack (provided by RMBEL).

The ice pack is used to keep the cooler cold inside. Please make sure you put your ice pack in the freezer before your sample data so that it keeps your water samples cold after you collect them.

9. Sampling Field Procedures sheet

(download at <http://www.rmbel.info/Reports/Static/SampleDataacc.aspx>).

This worksheet contains the instructions for field sampling.

10. Sample Data / Chain of Custody / Physical Observations sheet

(download at <http://www.rmbel.info/Reports/Static/SampleDataacc.aspx>).

This worksheet is where you put your contact information, sampling date and time, secchi disk reading and record physical observations on the sampling date.