Claims

1. Method for detecting parasites in water, said method comprising:

   Passing at least a part of the water through a filter;

   Applying indirect sonication with ultrasound to said filter to release parasites which have been collected in said filter without disrupting said parasites;

   Collecting parasites; and

   Detecting the collected parasites.

2. Method according to claim 1, wherein the parasites are protozoan.

3. Method according to claim ~~3~~2, wherein the parasites are selected among the group consisting of *Cryptosporidium* oocysts and *Giardia* cysts.

4. Method according to any preceding claim, wherein the filter is a polycarbonate or metal filter, preferably a nickel filter.

5. Method according to any preceding, wherein the filter has a pore size of at least 2 µm, more preferred at least 2.5 µm, preferably at least 3 µm.

6. Method according to any preceding claim, wherein the filter has a pore size of at most 4 µm, more preferred at most 3.5 µm, preferably at most 3 µm.

7. Method according to any preceding claim, wherein an ultrasound transducer applying indirect sonication to said filter is positioned 0.5-200mm, preferably 0.7-100 mm, more preferred 1.0-50 mm, preferably 1.2-25 mm, more preferred 1.5-10 mm, preferably 1.6-8 mm, more preferred 1.8-6 mm, preferably 2-4 mm, more preferred about 3 mm from said filter.