

How to Test Disinfectant Concentrations of Quat 128[®] or Sparquat 256[®]

If your quaternary ammonium disinfectant solution is too muddy or diluted, it loses its effectiveness and capacity to kill invasive organisms. It is recommended that the muddy solution be properly disposed of and a new solution made. One way to determine if your solution is below the proper strength is to use “Quat Chek 1000” Test Papers (you can get these from Distributors listed below, NOT from GSA. GSA only has the papers for low concentrations). Cost about \$10 for many tests.

Your solutions of Sparquat or Quat 128 to be tested need to be diluted before their strength can be measured with these papers. The solution to be tested needs to be around 600 parts per million (ppm) of quaternary ammonium compounds, which is in the middle of the test paper range.

For Sparquat 256[®] :

- Take **one** cup (or mug or beer can) of Sparquat solution, pour into a bucket. Add **5** cups (or mugs or beer cans) of water. Mix. Test the diluted solution with “Quat Chek 1000” Test Paper. Match up the color of the paper with the ppm’s on the color chart. For optimal disinfection, the diluted solution should have a concentration of between 600 and 800 ppm.



For Quat 128[®] :

- Take **one** cup (or mug or beer can) of Quat 128 solution, pour into a bucket. Add **4** cups (or mugs or beer cans) of water. Mix. Test the diluted solution with “Quat Chek 1000” Test Paper. Match up the color of the paper with the ppm’s on the color chart. For optimal disinfection, the diluted solution should have a concentration between 600 and 800 ppm.

Distributors include (they also ship to other states):

Gem State Paper
1801 Highland Avenue, East
Twin Falls
(208) 733-6081

Brady Industries of Idaho
5198 Chinden Blvd.
Boise
(208) 887-2199

Gem State Paper
10189 W. Emerald
Boise
(208)658-0449

Brady Industries of Idaho
1395 Enterprise Way
Idaho Falls
(208) 227-0578