Preparation of an Exemplary RNAlater: RNA Preservation Medium

First, one should prepare or obtain the following stock solutions and reagents: 0.5 M EDTA disodium, dihydrate (18.61 g/100 ml, pH to 8.0 with NaOH while stirring); 1M Sodium Citrate trisodium salt, dihydrate (29.4 g/100 ml, stir to dissolve); Ammonium Sulfate, powdered; Sterile water.

In a beaker, combine 40 ml 0.5 M EDTA, 25 ml 1M Sodium Citrate, 700 gm Ammonium Sulfate and 935 ml of sterile distilled water, stir on a hot plate stirrer on low heat until the Ammonium Sulfate is completely dissolved. Allow to cool, adjust the pH of the solution to pH 5.2 using 1M H2SO4. Transfer to a screw top bottle and store either at room temperature or refrigerated.

*As reported: http://patft.uspto.gov/netacgi/nphParser?Sect1=PTO2&Sect2=HITOFF&u=%2Fnetalhtml%2FPTO%2Fsearchadv.htm&r=4&p=1&f=G&l=50&d=PTXT&S1=6,528,641&OS=6,528,641&RS=6,528,641