

# Download Equilibrium Constant Determination Of Iodide

Place these solutions in a constant temperature bath until thermal equilibrium has been reached. 5. Scan these diluted solutions to determine a spectral region where the tri-iodide absorbs (turn on the light source in the absorbance mode). Three peaks should be observed, one for the iodide and two for the tri-iodide (near 300 and 350 nm). FindThe equilibrium constant of Iodine spectrophotometrically from the changes of the tri-iodide band at 350nm in aqueous and mixed aqueous organic media in absence and in presence of surfactant. 12a laboratory work that will help anyone to determine equilibrium constant of tri-iodide ion. THE EQUILIBRIUM CONSTANT IS NOT DIRECTLY DETERMINED, THIS PIECE WI...

Slideshare uses cookies to improve functionality and performance, and to provide you with relevant advertising. equilibrium with free iodine and iodide ion according to the equation:  $I_2 + I^-(aq) \rightleftharpoons I_3^-(aq)$ . (Eq. 1) The earliest investigators were quantitatively accurate in their descriptions of this reaction for only the most dilute solutions of iodine in dilute aqueous solutions of iodide ion. The apparent variation in the formation constant