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## To study the difference between three types of tears: Using reverse phase- high performance liquid chromatography (RP-HPLC)

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The precorneal film present on the human ocular surface constantly does the function of keeping the eye orbit moist and lubricated. The precorneal film has three layers; mucin layer, aqueous layer and lipid layer. Each layer is dependent on each other to keep human eye immune and together mixture of components. These chemical components get secreted in the precorneal film at a constant rate under normal condition known as Basal tears or continuous tears and gets altered when subjected to reflexes, known as Reflex tears. Humans project their

thoughts in the form of lacrimation (crying), in either a positive way or negative way, known as Emotional (psychic) tears. As each type of tear shed, are spilled on subjection to various stimuli, will change chemicals in each tear and this fact has formed the base of this study, to differentiate tears on the basis of concentration of ascorbic acid present and test this hypothesis by using statistics parameters, which on completion of this experiment was found to be true and significantly different

### Biography

Anshumali M Gaikwad is well experienced in realm of Forensic Biology. She has received her B.Sc. & M.Sc.(Serology & DNA Analysis) from Institute of Forensic Sciences Mumbai, University of Mumbai eventually working as a Scientific Officer and Chemical Analyser for the Government of Maharashtra, India.

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