

Research and Development Motivation of Discol Dental Drop 、 Dental Spray & Toothfoam

刷牙的歷史從十九世紀使用鹽巴和牙粉演進到廿世紀用牙膏，如今，牙膏已普遍被用為清潔牙齒的日用品，然而蛀牙及各種程度之牙周病仍然不斷發生。每日成千上萬的人使用牙膏，但很少人會注意到牙膏是什麼成分製造的。

其實牙膏的主要成分是研磨劑，包括氫氧化鋁、碳酸鈣、磷酸氫鈣、矽酸鹽與矽化物等，利用這些以研磨刷除牙齒上之食物殘渣及其他附著物，然而常用研磨劑會磨損琺瑯質而傷害牙齒。

其實蛀牙及牙周病之元凶是牙菌斑，因此以醫藥科學技術研發不含研磨劑不傷牙齒，又能對抗牙菌斑之製劑是我們的使命及理想。
最後我們研發不含研磨劑及防範牙菌斑之新製劑 -- 牙泡來實現我們的理想來為保健牙齒貢獻。

Tooth brushing has evolved from using salt and toothpowder in 19th century to toothpaste in the 20th century, Today, toothpaste is widely applied in cleaning teeth, but tooth decay and varying degree of periodontal disease are still the main problem of oral health. Every day million people use toothpaste cleaning their teeth without paying any attention to what this substance is made of.

The exact composition of a toothpaste varies with each manufacture but a typical formulation is abrasive 10 ~40%, representative abrasive include Aluminum hydroxide、Calcium carbonate、various Calcium hydrogen phosphate and Silicates, So the major ingredient of toothpaste is an abrasive which is supposed to remove food particles and other contaminant from teeth, However, toothpaste that contains to many abrasive may actually weaken enamel and damage teeth.

In fact tooth decay and periodontal disease are caused by Dental plaque, Therefore, it is the mission to research an effective dentifrice without abrasive agent with pharmaceutical technology.

Eventually, we develop a new product – Toothfoam to protect against Dental plaque !