

## Effervescent Tablets

Effervescent tablet is a tablet intended to be dissolved or dispersed in water before administration. It generally contains in addition to active ingredients, mixture of acids/acid salts (citric, tartaric, malic acid or any other suitable acid or acid anhydride) and carbonate and hydrogen carbonates (sodium, potassium or any other suitable alkali metal carbonate or hydrogen carbonate) which release carbon dioxide when mixed with water.



Occasionally, active ingredient itself could act as the acid or alkali metal compound necessary for effervescent reaction. There are several categories of active ingredients, which would be advantageous if formulated as effervescent tablets like : Drugs difficult to digest or disruptive to the stomach, pH-sensitive drugs such as amino acids and antibiotics, Drugs requiring a large dose (5 gms. total tablet weight), etc. The major advantages are Fast onset of action, No need to swallow tablets, Good stomach and intestinal tolerance, More portability, Improved palatability, Superior stability, More consistent response, Incorporation of large amounts of active ingredients, Accurate dosing, Improved therapeutic effect.

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