

Buccal Dissolution Testing

A Patented *In Vitro* Dissolution Testing Technology



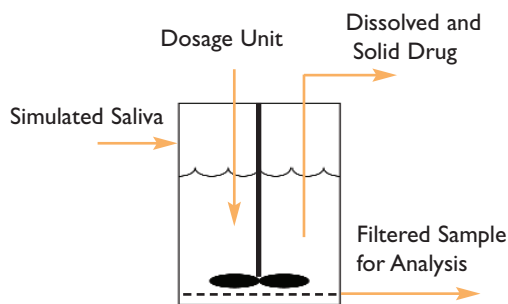
Rohm and Haas' Buccal Dissolution testing technology is a patented *in vitro* method designed to evaluate the amount of drug that is released in the mouth from a dosage unit. The technique is typically used for evaluating the taste of suspensions and orally dissolving tablets. It is not used to study buccal absorption of drugs.

The Buccal Dissolution testing technology is available from Rohm and Haas Company either as a service, or for use under license. For further details please contact a Rohm and Haas representative.

For more information on Rohm and Haas Buccal Dissolution Testing Technology, please visit us at

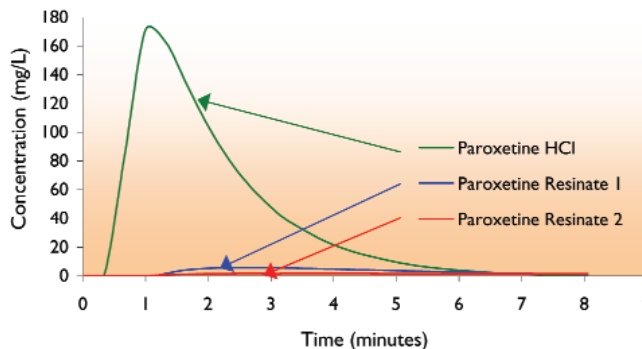
<http://www.theartofformulation.com>

The technique uses a stirred flow-thru cell with a very short residence time. It is shown schematically below.



Buccal Dissolution

In use, the concentration of dissolved drug is measured and the peak concentration is used as a surrogate for intensity of taste. The results allow different dosage forms to be ranked with respect to their taste. An example is shown below.



If a target peak concentration can be defined, then the data can be further used to define acceptable versus unacceptable taste. The method has shown excellent correlation with human taste-panel testing.

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