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, BluffTitrer Ultimate 15.7.1.2 Portable License. Tumor necrosis factor-alpha promotes platelet aggregation and activation in platelet-activating factor-stimulated human whole blood in vitro. The effects of tumor necrosis factor (TNF)-alpha on platelet aggregation and activation were examined in a whole blood assay system. TNF-alpha induced time-dependent dose-dependent platelet aggregation in platelet-activating factor (PAF)-stimulated whole blood. The aggregation was associated with a marked elevation in the level of platelet-specific phosphatidylserine (PS) exposed on platelets. TNF-alpha also significantly increased the release of beta-thromboglobulin, a marker of platelet activation, from the platelets stimulated by PAF. Furthermore, phospholipase C activation and a phosphatidylinositol hydrolysis, which are closely associated with PS exposure, were observed in TNF-alpha-treated platelets. TNF-alpha up-regulated the expression of TNF-alpha receptor I and II on platelets in a PAF-dependent manner. Our data suggest that TNF-alpha might cause degranulation of platelets through a molecular mechanism of platelet receptor up-regulation induced by PAF. During the past decade, the proliferation of sophisticated computer systems has made available, to individual computer users, a wide range of sophisticated applications. Included among the most popular applications are the word processing software programs. The word processing programs facilitate the production of textual information in a number of ways. For example, word processing software may include a spell checking capability. The spell checking capability allows spelling errors in the textual information to be easily detected. The spell checking capability may be applied selectively to a chosen portion of the textual information. Alternately, the spell checking capability may be applied to the entire text. The spell checking capability may include a list of words that have been misspelled and/or a list of words that have been misspelled in a particular context. A user can read through a spell checked word document to determine the list of misspelled words. A user can remove the misspelled words from the document before proceeding. The spell checking capability may further include a list of words that were misspelled in a past document. The user can select one of the word from the word list for insertion into a new document. In addition to misspelled words, many word processing software programs include a grammar

