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Ampucare Performed Good Antimicrobial Activity under All Storage Conditions

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Infection of the wounds is a major problem for patient treatment. Ampucare is a herbal wound healer that have an oil based formation and it is practicable on external wounds only. Its active ingredients are apmucare are *Azadirachta indica* and *Curcuma longa* (Soni *et al.*, 2010). Ampucare derives from the word amputation i.e., intentional surgical removal of a limb or body part and to remove diseased tissue or relieve pain. Its antimicrobial and anti-inflammatory activity have been proved against *E. coli*, *Pseudomonas aeruginosa*, *Proteus mirabilis*, *Staphylococcus aureus*, *Enterococcus aerogenes* and *Candida albicans* (Saurab *et al.*, 2008). Ampucare is also found to be effective in dermal infection treatments (Chaudhary *et al.*, 2008a, b). It may also used for diabetic leg ulcer, burns, bedsores, venous ulcer, arterial ulcer, skin infections, traumatic wounds and post-operative wounds. Antifungal effects of ampucare have also been indicated by several studies (Lund *et al.*, 1997; Wolfe *et al.*, 1997).

A study has been conducted by the Indian scientist to investigate the antimicrobial activity of ampucare under normal storage, freeze thawed and sedimented condition against *Escherichia coli*, *Staphylococcus aureus*, *Klebsiella pneumoniae* and *Proteus vulgaris*. Ampucare showed rapid killing time in all storage conditions while no deviation in pattern of bacterial inhibition and no re-growth have been observed during the study time. So, the researchers concluded that ampucare performed good antimicrobial activity under all storage conditions of study and have no impact of freezing/thawing or sedimentation of ampucare on the pattern of time-kill curve in organisms under observation (Shrivastava *et al.*, 2009).

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