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(54) Title: THEOBROMINE COMPOSITIONS USEFUL FOR INCREASING FETAL WEIGHT GAIN AND ENHANCING BONE PROPERTIES

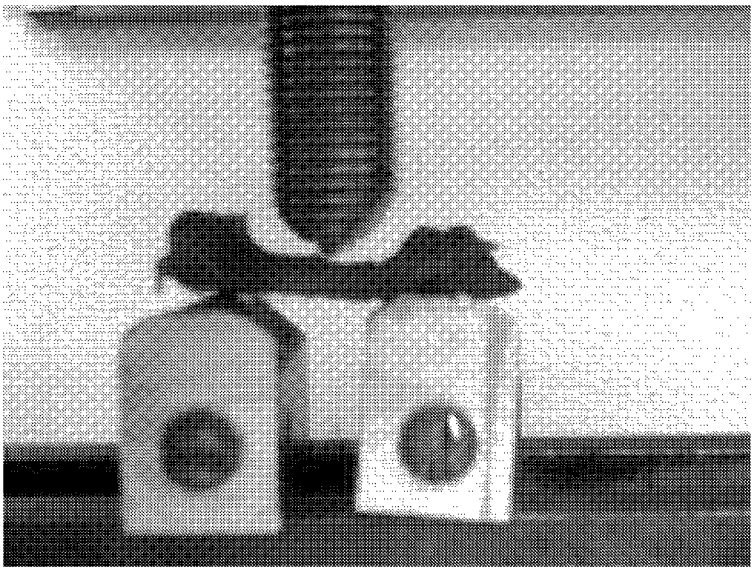


FIG. 10

(57) Abstract: Compositions and methods for culturing cells with theobromine are provided, as well as cells derived thereby. Theobromine compositions for enhancing bone formation, increasing bone density, increasing interconnections of internal bone, increasing bone mass, treating cartilage and/or bone defects, increasing fetal birth weight, preventing tooth decay, remineralizing a tooth surface, treating dentine hypersensitivity, and application to a bone site to promote new bone growth at the site are also provided.

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