**Table 1.** Materials used in the study, manufacturer information and composition.

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| Commercial Name | Material Type | Manufacturer | Composition |
| TheraCal LC | Light curing resin-modified calcium silicate | Bisco Inc, Schaumburg,USA | Aerosol 8.0%, biocompatible hydrophilic resin 42.5% (Bis-GMA 20%, biocompatible resin-FDA 77.25%, modifying agent 2.4%; initiating agent 0.32%, stabilizer for the initiating agent 0.032%), active ingredients in MTA 44.5%, and barium sulfate 5% |
| Biner LC | Light curing calcium hydroxyphosphate | Meta Biomed Inc, Horsham,USA | Diurethane dimethacrylate, Hydroxyapatite, Triethyleneglycol dimethacrylate, Aerosol, Barium aluminium borosilicate |
| CalciPlus LC | Light curing calcium hydroxyphosphate | Imicryl Inc, Konya,TURKEY | Resin Matrix: Urethane Dimethacrylate, ULS monomer (Ultra Low Syhrinkage Monomer), Photoinitiator, Stabilizors. Filler: Ultra Fine Bioactive glass, Fluoroaluminasilicate glass, Antibacterial nano composite filler. |