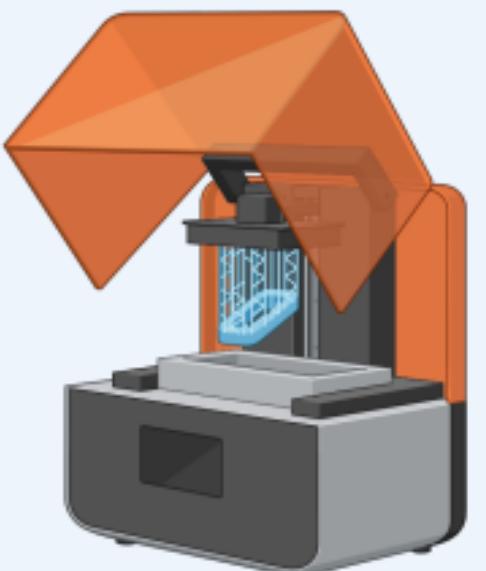


3D-Printable Resins

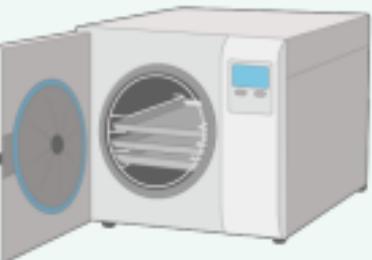
Elastomeric
Asiga DentaGUM
Formlabs Silicone 40A

Rigid
Asiga DentaGUIDE
Liqcreate Biomed Clear
Phrozen AquaGray 8K



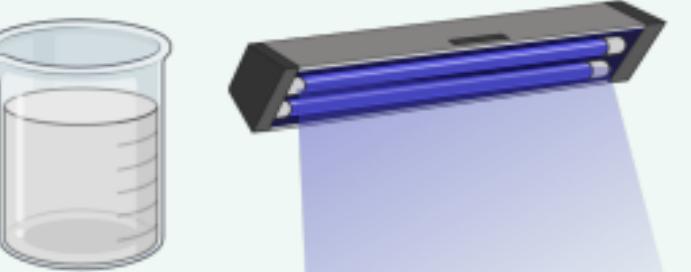
Sterilization Methods

Autoclave



or

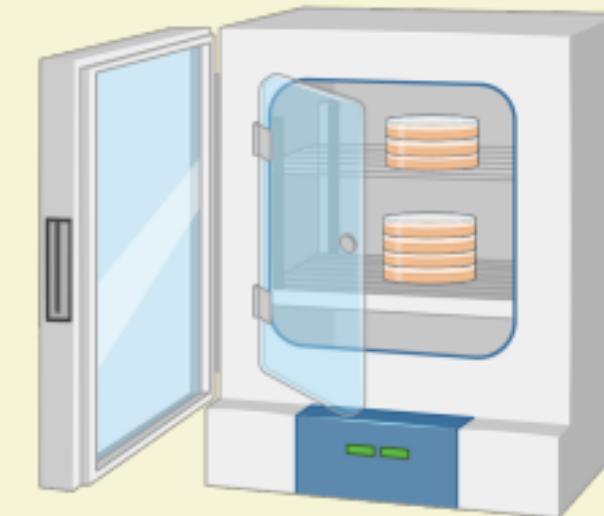
70% Ethanol + UV Exposure



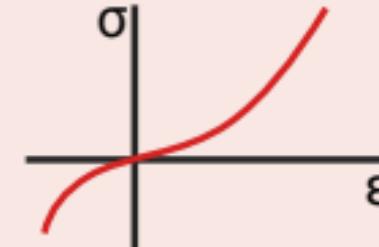
Saline Incubation

37 °C

1x PBS



Mechanical Tests



Constitutive Model
Elastic Domain Properties
Failure Characteristics
Cross-Group Comparisons

Results

- Rigid resin elastic and failure properties are significantly impacted by sterilization
- Elastomeric resins more robust to sterilization