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| **Supplemental Table 1. Final Prototype 3D Print, Reusable Moulds and Cast Volumes and Pricing** | | | |
| **Model Component** | **Component Volume (cm3)** | **Material Type** | **Cost (USD)** |
| Skull (3D Print) | 268.13 | Formlabs Resin | 57.92 |
| Vertebrae (3D Print) | 23.78 | Formlabs Resin | 5.13 |
| Vertebral Column (Cast) | 43.1 | Eco-Flex 00-30 silicone | 2.42 |
| Vertebral Column (Mould) | 44.1 | 3D Printed gypsum | 20.64 |
| Neck Insert (Cast) | 106.3 | Eco-Flex 00-10 silicone | 5.97 |
| Neck Insert (Mould) | 53.8 | 3D Printed gypsum | 25.19 |
| Temporomandibular Joint Sleeves (Cast) | 75.7 | Eco-Flex 00-10 silicone | 3.79 |
| Temporomandibular Joint Sleeves (Mould) | 67.5 | 3D Printed gypsum | 35.42 |
| Gingivae (Cast) | 9 | Eco-Flex 00-10 silicone | 0.50 |
| Gingivae (Mould) | 35.1 | 3D Printed gypsum | 16.44 |
| Tongue (Cast) | 20.4 | Eco-Flex 00-10 silicone | 1.14 |
| Tongue (Mould) | 19.7 | 3D Printed gypsum | 9.19 |
| Nasal Cavity/Pharynx/Larynx (Cast) | 18.44 | Eco-Flex 00-30 silicone | 1.04 |
| Nasal Cavity/Pharynx/Larynx (Mould) | 67.71 | 3D Printed gypsum | 31.20 |
| Laryngeal Cartilages (3D Print) | 1.98 | Formlabs Resin | 0.42 |
| Skin (Cast) | 487.6 | Eco-Flex 00-30 silicone | 27.38 |
| Skin (Mould) | 485 | 3D Printed gypsum | 226.96 |
| **Total Costs (3D Prints, Moulds and Casts)** |  |  | **470.76** |
| **Total Cost (Prototype Components Only)** |  |  | **105.72** |