

Viscoject 300

This goal of this project was to develop a method/system that would allow for clinicians to inject highly viscous (300cP) medications through standard syringes in less than 15s. The final product was 3d printed with PC-ABS and had aluminium and steel components

Project partner: Gilead Sciences

Teammates: Nathaniel Barnard, Emily Broadhurst, Michael Maffezzoli



FINAL PRODUCT



Viscoject 300 being used to inject a viscous honey-water solution into fake skin



Team picture with our prototypes



Injection force and time testing using an arbor press, bricks, and a stopwatch