## Materials List for: Precision Implementation of Minimal Erythema Dose (MED) Testing to Assess Individual Variation in Human Inflammatory Response

John A. Richey<sup>1</sup>, Holly Sullivan-Toole<sup>2</sup>, Marlene Strege<sup>1</sup>, Corinne Carlton<sup>1</sup>, Dylan McDaniel<sup>3</sup>, Matthew Komelski<sup>4</sup>, Amy Epperley<sup>5</sup>, Hongxiao Zhu<sup>6</sup>, Irving C. Allen<sup>3,7</sup>

<sup>1</sup>Department of Psychology, Virginia Tech

<sup>2</sup>Graduate Program in Translational Biology, Medicine and Health, Virginia Tech

<sup>3</sup>Department of Biomedical Sciences and Pathobiology, Virginia-Maryland College of Veterinary Medicine, Virginia Tech

<sup>4</sup>Department of Human Development and Family Science, Virginia Tech

<sup>5</sup>Wellness Center, Virginia Tech

<sup>6</sup>Department of Statistics, Virginia Tech

<sup>7</sup>Department of Basic Science Education, Virginia Tech Carilion School of Medicine

Correspondence to: John A. Richey at richey@vt.edu

URL: https://www.jove.com/video/59813 DOI: doi:10.3791/59813

## **Materials**

Name	Company	Catalog Number	Comments
6-aperture dose testing patch ("Cuff")	Daavlin		
Medical grade adhesive solvent			
Non-reflective UV proof cloth			
Radiometer	SolarLight	Model 6.2 UVB Meter	
Single use aloe or burn gel			
Spectrophotometer	Konika-Minolta	CM-2600D	
Stopwatch			
UV lamp – Fiji Sun	Sperti		Emission spectrum 280nm-400nm, approximately 25% UVB
UV-proof safety glasses (2 pair)			
UV-proof sleeve			
White cotton gloves (2 pair)	1		