PERFORMANCE SKINWEAR™ & MEN'S REPRODUCTIVE HEALTH

> Analysis of scrotal hyperthermia and textile-induced electrostatics in high-intensity athletic environments.

01. THE THERMAL CONSTRAINT

Biological data indicates that healthy male reproductive function relies on a scrotal environment maintained 2°C to 3°C below core body temperature. Traditional synthetic activewear acts as a thermal insulator. During high-intensity training, these materials trap radiant heat, creating a "micro-greenhouse" effect. EveryRep's Tencel™ Modal architecture facilitates active cooling, lowering surface temperatures by up to 2°C compared to industry-standard synthetics.

02. ELECTROSTATIC INTERFERENCE

A landmark study demonstrated that 100% polyester textiles generate a continuous electrostatic field against the skin. This field has been linked to significant decreases in reproductive health metrics. As a bio-harmonious fiber, EveryRep's Tencel™ gear maintains a neutral charge, protecting the body's natural bio-electrical environment.

TECHNICAL COMPARISON BRIEF

FEATURE	EVERYREP (TENCEL™ MODAL)	INDUSTRY STANDARD (POLYESTER)
FIBER PROFILE	**Bio-Based:** Derived from renewable beechwood pulp.	**Synthetic:** Plastic polymer derived from petroleum.
SCROTAL COOLING	**High Efficiency:** Lowers surface temp by up to 2°C vs. synthetics.	**Insulative:** Traps heat; creates a "greenhouse effect".
ELECTROSTATICS	**Neutral:** Bio-harmonious; zero measured static field.	**Active Charge:** Can generate significant electrostatic potential.
VAPOR MANAGEMENT	**Proactive:** Absorbs moisture at the vapor stage.	**Reactive:** Only wicks moisture once it turns to liquid sweat.
TOXIC PROFILE	**Oeko-Tex 100:** Certified free from 1,000+ harmful chemicals.	**Variable:** Often contains residues of BPA and Antimony.

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