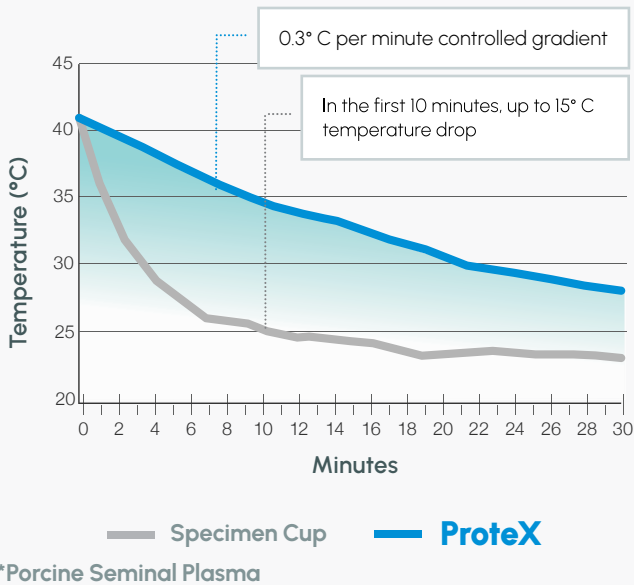


PROTECTS SPERM DURING COLLECTION FROM EXPOSURE TO RAPID TEMPERATURE CHANGES

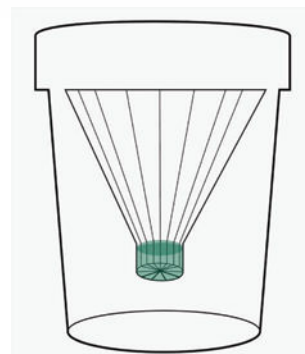
Comparing Sample Temperature Changes in Each Collection Device



Designed to yield a larger pool of most active, viable sperm

Seminal Fluid Biochemical Impacts

- Cell biochemical pathways initiating earlier than expected and in non-reversible fashion^{13,14}
- Triggers shock proteins; leads to hyperactivation setting off apoptosis^{14,22}
- Membrane remodeling; convergence of proteins from both extremes of the cell and replacement of lipids^{23,24}
- Hyperactivation occurring sooner than expected leading to disruption of mitochondrial function^{1,4,5}



Sample Protection with Insulating Design

- Outer sleeve avoids external temperature environment
- Air pockets insulate with stale air
- Sample concentration in the small cylinder well
- Avoids conduction via contact with surface