PCD 5.2 is an external Process Challenge Device for Ethylene Oxide (EO) sterilization containing a Steris BI Spore Strip, NA 005. The unique, patented packaging is convenient to use and demonstrates consistent sterilization resistance for a wide range of medical devices in industrial EO cycles.

**Component Materials**
Product Label: Polyolefin plastic with removable pressure sensitive adhesive test tube label.

Mounting Card: PVC plastic with a pressure sensitive adhesive strip for mounting on the outside of sterilizer load boxes.

EO Resistant Barrier Pouch: This PCD uses our type 5 pouch material configuration. This pouch is formed from a combination of proprietary plastic films that yields consistent resistance to EO sterilization processes.

Biological Indicator: Steris BI Spore Strip, NA005

**PCD EO Performance**
The nominal $D_{EO}$ value for this PCD is approximately 4 minutes. This $D_{EO}$ value was derived from multiple studies performed in ISO certified laboratory BIER vessels using the standard Stumbo-Murphy Carr (SMC) Fraction Negative method. Commercial results will differ depending on EO product/process variables.

**Quality Systems Conformance**
Every PCD lot is supplied with a Certificate of Quality Conformance and the BI manufacturer’s certification. Mesa’s biological indicator manufacturing facilities are in compliance with ISO-13485 manufacturing standards.

**Shelf Life and Storage Conditions**
Storage conditions and expiry are based on the biological manufacturer’s certificate supplied with every PCD lot.
Do not use PCDs if they are past the BI manufacturer’s labeled expiration date.

**PCD EO Process Validation**
Please review our Validation Guideline at biologicalindicators.mesalabs.com

**Packaging**
All PCDs are packaged in corrugated shippers with appropriate cushioning to assure clean, damage free transport to the customer.