PCD 2.1 - MESA 1-10006MM SPORE DISC

PCD 2.1 is an external Process Challenge Device for Ethylene Oxide (EO) sterilization containing a MESA 1-10006MM Spore Disc. 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 2 pouch material configuration. This pouch is formed from a combination of proprietary plastic films that yield consistent resistance to EO sterilization processes.

Biological Indicator: MESA 1-10006MM Spore Disc

**PCD EO Performance**

The nominal \( D_{\text{EtO}} \) value for this PCD is approximately 28 minutes. This \( D_{\text{EtO}} \) value was derived from multiple studies performed in an ISO certified laboratory BIER vessels using the standard Stumbo-Murphy Cochran (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.