

# PCD 5.5

## PCD 5.5 - Mesa BI Spore Strip in Glassine, SGMG/6

PCD 5.5 is an external Process Challenge Device for Ethylene Oxide (EO) sterilization containing a glassine wrapped Mesa BI Spore Strip, SGMG/6. 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 yield consistent resistance to EO sterilization processes.

**Biological Indicator:** Mesa BI Spore Strip in glassine, SGMG/6



### PCD EO Performance

The  $D_{\text{EtO}}$  value for this PCD is estimated to be about 5 minutes. PCD  $D_{\text{EtO}}$  values are obtained in a laboratory BIER vessel using the Stumbo-Murphy Carr (SMC) fractional method. Commercial results will vary depending on EO 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](http://biologicalindicators.mesalabs.com)

### Packaging

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