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**Disposable Bowie-Dick Test Pack** **MODEL** **BD-TP** : **Directions For Use**

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**INDICATIONS FOR USE**

Bowie-Dick Test Pack : BD-TP is for daily monitoring of pre-vacuum steam sterilizers operating for 15~ minutes at 121°C and for 3.5 minutes at 134°C. Another Version available as 121°C for 8.3min.,16.9min. for example.

The BD-TP model is packaged in pH-7 paper and easy to open, and designed to operate in sterilizers as defined in ISO11140-4.

Test sheet is wrapped by paper for hung up which we call "Flap pull" system to make easier to take out without touching BD-S by finger. Sticker binded on center front BDTP box is made of special material enabling to detect as becoming bubble and wrinkle on surface after sterilized, thus judge if used or not.

**COLOR CHANGE**

The indicator sheet will change from Bordeaux-Red to Green when exposed to steam sterilization with acceptable vacuum cycles.

**CRITICAL PARAMETERS**

Steam sterilization cycle is functioning at 121°C for 15 minutes, and for 3.5 minutes at 134°C.

Another Version available as 121°C for 8.3min.,16.9min. for example.

**INSTRUCTIONS FOR USE**

1. Run a shortened cycle (without the drying phase) to properly heat sterilizer.
2. Place the disposable BD-TP on bottom of sterilizer nearest the drain. Test pack should be facing up proper side.
3. Run a Bowie-Dick test cycle as specified by sterilizer manufacturer.  
Run the test for 15 minutes at 121°C. Sterilization cycle time never exceed 30 minutes.
4. A short dry time of 3 to 5 minutes will not affect the test.

**INTERPRETATION**

1. Remove test pack from sterilizer and open. Cut easy to open..
2. Remove inside silver set from fabric pack and pull indicator sheet from middle. Dispose of remaining pack materials.
3. If sterilizer is functioning normally, indicator graphic will show a uniform color change (green) throughout the entire pattern.
4. When a significant amount of residual air is present, indicator shows a Bordeaux-Red area remained in center.

**SAFETY PRECAUTION**

**CAUTION** ; the test pack will be hot and should be opened carefully to avoid thermal injury.

**STORAGE**

- Store at normal room temperature 50°-100°F (10°-36°C) and 10-70% R.H.
- Protect from moisture and excess humidity.
- Store exposed indicator sheet away from light sources

**EXPIRY DATE / LOT NUMBER**

The expiry date is printed on the product packaging. A unique identification code is printed on packaging labels.

**RELEASE OF TOXIC SUBSTANCES**

The indicator releases NO TOXIC SUBSTANCES in sufficient quantities to cause either a health hazard, or a hazard to the intended properties of the product being sterilized before, during or after the sterilization process.

**DECLARATION OF CONFORMITY**

Riken Chemical Co. Ltd.. declares that BD-TP Bowie-Dick Test Pack indicator conforms to all applicable portions of ISO 11140-1 Type 2 indicators for use in specific tests.