



## More than 60 years projected lifetime for DVD-R Authoring

This statement refers to Verbatim's DVD-R for Authoring media. MCC/Verbatim DVD-R for Authoring boasts MCC patented Metal Azo Dye Technology. The Metal Azo Recording Layer enables this media to enjoy excellent recording quality and archival stability in the recording layer.

In addition, Verbatim's silver reflective layer is especially designed for best performance and longevity in combination with Metal Azo Dye, whilst our special UV-cured coating and polycarbonate adds to the durability.

Due to these superior features an archival lifetime of more than 60 years is projected.

### **Test Method:**

1. Record data at normal office environment and measure PI Error Rate.  
PI Error Rate is specified as below 280 in the specifications.
2. Put media into a climate controlled environment which is set to the following conditions:

	Temperature	Humidity
Oven 1	80 degree	85% RH
Oven 2	70 degree	85% RH

Take the media out of the oven at defined intervals and measure PI error.

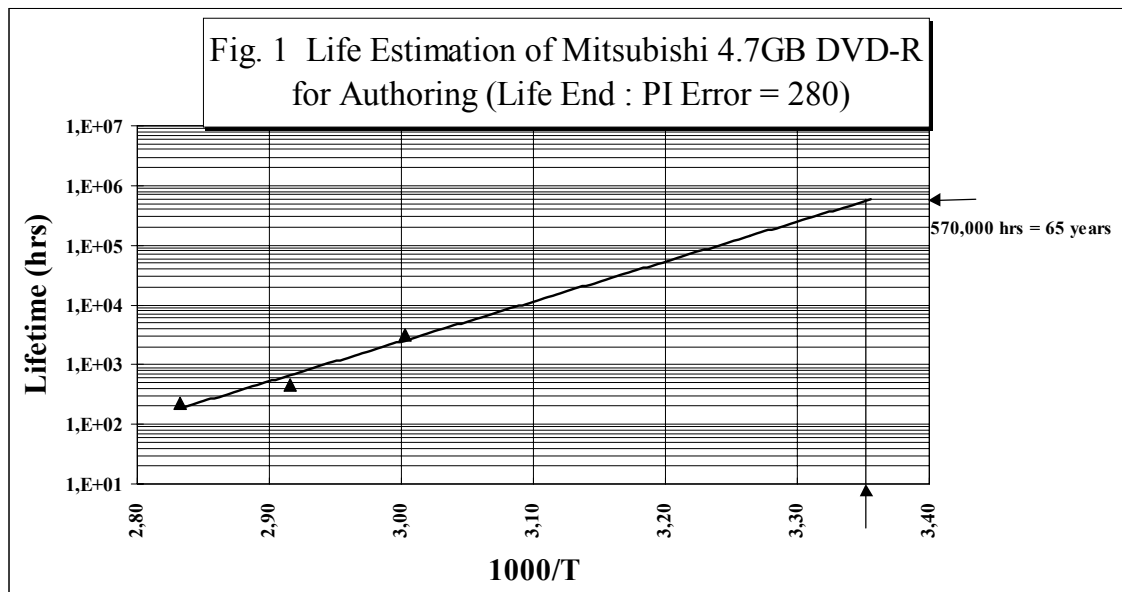
3. When PI Error exceeds 280, that time is defined as the end of life at that temperature.
4. Apply "Arrhenius" method to project life at the office environment



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## **Test Result:**

As shown in below , the projected lifetime at 25 degree is more than 60 years.



## **Conclusion:**

MCC/Verbatim projects the archival life of its DVD-R as 60 years.

The following conditions need to be applied to ensure the projected lifetime:

- A writer with normal performance records data.
- There is no corrosive gas in the air.
- There are no scratches or finger prints on the media surface.
- Temperature is controlled within 25 +/- 2 degrees.
- Humidity is controlled within 55 +/- 5 RH%.
- Media is stored in the jewel case.
- Media is not exposed to direct sunlight or any other source of UV light.