



The major web publication on the Pharmaceutical Industry: **Pharmaceutical Business Review (PBR)** by their staff writer published his verified with Baxter Corp. report about their reaching 6 logs sterilization in commercial times on our standard R&D PUV system: Screenshot:

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Steribeam announces results of 6 logs sterilization of B. pumilus spores on standard equipment

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Steribeam has announced that 6 logs sterilization of B. pumilus spores with a few UV pulses on the standard equipment opens a possibility for in-line sterilization of filled infusion bags and syringes.

Since this publication we offer IPL systems with the same high efficiency in commercially viable times. In the PUV sterilization since spores of B. Pumilus are highly resistant to the UV light requiring up to 3000J/cm² to deactivate those.

This was a real breakthrough because before 6 logs deactivation of B. Pumilus spores was even not possible with a long exposure of CW UVC low pressure Mercury Amalgam lamps, neither with medium pressure Mercury lamps.

The PUV region was first described by Dr. Wekhof in his article published by a peer-reviewed journal in 1999. Then it was proven in a joint work with the staff at RWHS (Aachen) and presented at the First Int. Conf. on UV technologies in Washington DC, 2001. Link is here.

