



## Certificate of Quality

**Product Name:** MCFARLAND STD SET- 0.5-1-2-3-4  
**Lot Number:** 040933

**Product Number:** R20421  
**Expiration Date:** 2012-08-11  
(YYYY-MM-DD)

McFarland Equivalence Turbidity Standards are designed to be visual standards for determining approximate microorganism concentration.

A 0.5 McFarland Standard is approximately equivalent to 150 million cfus/ml.

A 1.0 McFarland Standard is approximately equivalent to 300 million cfus/ml.

A 2.0 McFarland Standard is approximately equivalent to 600 million cfus/ml.

A 3.0 McFarland Standard is approximately equivalent to 900 million cfus/ml.

A 4.0 McFarland Standard is approximately equivalent to 1.2 billion cfus/ml.

Variation in organisms' size and phase of log growth will affect organism density.

\*McFarland Equivalence 0.5 is defined by CLSI as 0.08 to 0.10 absorbancy at 625 nm.

Signed

A handwritten signature in black ink, appearing to read "S. Kendall", written in a cursive style.

Quality Control Manager