

ENHANCED AEROSOL TEST FOR ASSESSING FILTER INTEGRITY

ABSTRACT

5 A method of aerosol integrity testing of filters, capable of
detecting single defects that are less than 20 μm in diameter, and
even as small as 2 μm in diameter, in liquid sterilizing grade
filters such as filter cartridges. The method challenges the filter
in a dry state with a particle stream of aerosol particles of the
10 appropriate size and in the appropriate concentration, such that
at least one or more of the particles in the stream will penetrate
a defective region or regions within the membrane but will not
penetrate in the integral region of the membrane. Wetting of the
filter is not required.

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Fig. 8.