

Certified

BestChek Asbestos Cassettes

The Highest Standard for Cassette Reliability

SKC BestChek® Cassettes — Know The Difference

Only from SKC — cassettes that meet NIOSH, OSHA, and ASTM standards in *Count, Clearing, Conductivity, Collection Area, and Construction* (the 5 C's of asbestos cassettes)

▶ **Count:** OSHA Method ID-160 allows up to 4 fibers per 100 fields and NIOSH 7400 permits up to 5 fibers per 100 fields average fiber background.

Average background fiber count for SKC BestChek filters is less than 4 fibers per 100 fields.

▶ **Clearing:** OSHA ID-160 and NIOSH 7400 require filter material to be cleared during sample preparation so that samples have a smooth (non-grainy) background for accurate analysis. Both methods specify phase contrast microscopy (PCM) analysis.

SKC BestChek filter material clears thoroughly to meet method specifications and is suitable for PCM analysis.

▶ **Conductivity:** OSHA ID-160 and NIOSH 7400 require the use of conductive cassette material. Conductivity is a function of the amount of carbon black contained in cassette material. ASTM Standard Test Methods D1603 and ASTM D257 provide for the determination of carbon black content and methods for testing conductance of materials.

SKC BestChek cassette plastic contains over 18% carbon black for proper conductivity as tested using ASTM methods.

▶ **Collection Area:** OSHA ID-160 and NIOSH 7400 specify a consistent effective collection area of 385 mm².

The inside diameter of SKC BestChek cassettes vary by only ±5 mm² for consistent collection area and minimized error.

▶ **Construction:** OSHA and NIOSH recommend leak-free cassettes for accurate air sampling.

SKC BestChek Asbestos Cassettes are certified leak-free. All cassette parts are manufactured with close tolerances and are vacuum and pressure tested for leakage.

Diameter (mm)	Filter Specifications	Cassette Description	Cat. No.	Qty.
Ready-to-use Preloaded Cassettes with SKC Certified BestChek Filters				
25	MCE, 0.8 µm PCM analysis	Carbon-filled polypropylene, assembled with cowl, banded	225-321*	50
25	MCE, 0.8 µm PCM analysis	Carbon-filled polypropylene, with cowl, with stand-up plug in outlet end, banded	225-321A	50
25	MCE, 0.8 µm, Black grid PCM analysis	Carbon-filled polypropylene, with cowl, with grids, banded	225-326	50
25	MCE, 1.2 µm, Black grid PCM analysis	Carbon-filled polypropylene, with cowl and 2-in spacer, banded	225-1934	50
25	MCE, 0.45 µm** TEM analysis	Carbon-filled polypropylene, with support and 5.0 µm diffuser pads, with cowl, banded	225-327	50

* Available in a non-certified economy version, Cat. No. 225-321X.

** Available in microvacuum carpet cassettes.

Specify SKC BestChek Asbestos Cassettes — your assurance of reliability and accuracy.



Publication #1705 Issue 0512

SKC Inc. 724-941-9701

SKC West 714-992-2780

SKC Gulf Coast 281-859-8050

SKC South 434-352-7149

www.skcinc.com