



Color Stability of Chemical Indicators (CIs) for Vaporized Hydrogen Peroxide (VH2O2) Sterilization Before Use

The 3M™ Attest™ Tri-Metric Chemical Indicator is the most color stable of all competitive VH2O2 CIs tested, including ASP, Steris and SPS, and won't change color before sterilization under ambient light for 8 weeks.^{1,2}

Time 0 Samples Removed from Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD® Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC0061 VH202 LOT: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>Chemdyer® CD40 VH202 Type 4 REF: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
Week 2 Storage Outside Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD® Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC0061 VH202 LOT: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>Chemdyer® CD40 VH202 Type 4 REF: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
Week 4 Storage Outside Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD® Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC0061 VH202 LOT: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>Chemdyer® CD40 VH202 Type 4 REF: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
Week 6 Storage Outside Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD® Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC0061 VH202 LOT: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>Chemdyer® CD40 VH202 Type 4 REF: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
Week 8 Storage Outside Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD® Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC0061 VH202 LOT: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>Chemdyer® CD40 VH202 Type 4 REF: 034569 Exp. Date: 2020-05-01 STERIS</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>

The CIs tested in this study were stored outside their native packaging and outside their instructions for use, including the 3M™ Attest™ Tri-Metric VH2O2 Chemical Indicator (Type 4). Always use and store VH2O2 CIs as per their instructions for use.

1. Reference 3M Study EM-05-692861.
2. Paper - Color Stability of Chemical Indicators (CIs) for Vaporized Hydrogen Peroxide (VH2O2) Sterilization Before Use EN_GL_70-2011-8083-6.



Color Stability of Chemical Indicators (CIs) for Vaporized Hydrogen Peroxide (VH2O2) Sterilization Before Use

The 3M™ Attest™ Tri-Metric Chemical Indicator is the most color stable of all competitive VH2O2 CIs tested, including ASP, Steris and SPS, and won't change color before sterilization under ambient light for 8 weeks.^{1,2}

<p>Time 0 Samples Removed from Packaging</p>	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF PCC061 VH202 LOT 034569 Exp. Date 2020-05-01 Accept only if magenta circle turns yellow.</p>	<p>Type 4 Indicator Hydrogen Peroxide EN ISO 11140-1 / 2.3 mg/l H₂O₂, 50 °C, 6 min blue → green REF 214-221/223 C-V-P-6 gke</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
<p>Week 2 Storage Outside Packaging</p>	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF PCC061 VH202 LOT 034569 Exp. Date 2020-05-01 Accept only if magenta circle turns yellow.</p>	<p>Type 4 Indicator Hydrogen Peroxide EN ISO 11140-1 / 2.3 mg/l H₂O₂, 50 °C, 6 min blue → green REF 214-221/223 C-V-P-6 gke</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
<p>Week 4 Storage Outside Packaging</p>	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF PCC061 VH202 LOT 034569 Exp. Date 2020-05-01 Accept only if magenta circle turns yellow.</p>	<p>Type 4 Indicator Hydrogen Peroxide EN ISO 11140-1 / 2.3 mg/l H₂O₂, 50 °C, 6 min blue → green REF 214-221/223 C-V-P-6 gke</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
<p>Week 6 Storage Outside Packaging</p>	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF PCC061 VH202 LOT 034569 Exp. Date 2020-05-01 Accept only if magenta circle turns yellow.</p>	<p>Type 4 Indicator Hydrogen Peroxide EN ISO 11140-1 / 2.3 mg/l H₂O₂, 50 °C, 6 min blue → green REF 214-221/223 C-V-P-6 gke</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
<p>Week 8 Storage Outside Packaging</p>	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348 REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF PCC061 VH202 LOT 034569 Exp. Date 2020-05-01 Accept only if magenta circle turns yellow.</p>	<p>Type 4 Indicator Hydrogen Peroxide EN ISO 11140-1 / 2.3 mg/l H₂O₂, 50 °C, 6 min blue → green REF 214-221/223 C-V-P-6 gke</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>

The CIs tested in this study were stored outside their native packaging and outside their instructions for use, including the 3M™ Attest™ Tri-Metric VH2O2 Chemical Indicator (Type 4). Always use and store VH2O2 CIs as per their instructions for use.

1. Reference 3M Study EM-05-692861.
2. Paper - Color Stability of Chemical Indicators (CIs) for Vaporized Hydrogen Peroxide (VH2O2) Sterilization Before Use EN_GL_70-2011-8083-6.



Color Stability of Chemical Indicators (CIs) for Vaporized Hydrogen Peroxide (VH2O2) Sterilization Before Use

The 3M™ Attest™ Tri-Metric Chemical Indicator is the most color stable of all competitive VH2O2 CIs tested, including ASP, Steris and SPS, and won't change color before sterilization under ambient light for 8 weeks.^{1,2}

Time 0 Samples Removed from Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348</p> <p>REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC061 VH202 LOT: 034569 Exp. date: 2020-05-01</p> <p>Accept only if magenta circle turns yellow.</p>	<p>celerity HP Chemical Indicator REF: PCC074 VH202 STERIS LOT: 034818 Exp. date: 2020-03-01</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
Week 2 Storage Outside Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348</p> <p>REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC061 VH202 LOT: 034569 Exp. date: 2020-05-01</p> <p>Accept only if magenta circle turns yellow.</p>	<p>celerity HP Chemical Indicator REF: PCC074 VH202 STERIS LOT: 034818 Exp. date: 2020-03-01</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
Week 4 Storage Outside Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348</p> <p>REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC061 VH202 LOT: 034569 Exp. date: 2020-05-01</p> <p>Accept only if magenta circle turns yellow.</p>	<p>celerity HP Chemical Indicator REF: PCC074 VH202 STERIS LOT: 034818 Exp. date: 2020-03-01</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
Week 6 Storage Outside Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348</p> <p>REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC061 VH202 LOT: 034569 Exp. date: 2020-05-01</p> <p>Accept only if magenta circle turns yellow.</p>	<p>celerity HP Chemical Indicator REF: PCC074 VH202 STERIS LOT: 034818 Exp. date: 2020-03-01</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>
Week 8 Storage Outside Packaging	<p>3M Attest™ VH202 Tri-Metric Indicator Type 4 VH202 LOT FD87CC REF 1348</p> <p>REJECT ACCEPT Any pink in accept zone is a pass.</p>	<p>ASP STERRAD™ Chemical Indicator Strip REF: 14100 Use in STERRAD® Sterilizer only Bar changes from red to color indicated by comparator bar (or lighter) when exposed to H₂O₂ during processing in the STERRAD® Sterilizer. LA-14100-01</p>	<p>VERIFY HPU Chemical Indicator REF: PCC061 VH202 LOT: 034569 Exp. date: 2020-05-01</p> <p>Accept only if magenta circle turns yellow.</p>	<p>celerity HP Chemical Indicator REF: PCC074 VH202 STERIS LOT: 034818 Exp. date: 2020-03-01</p>	<p>VH₂O₂ INDICATOR STRIP SPSmedical GPS-250R Indicator turns BLUE when exposed to VH₂O₂ during the sterilization process.</p>

The CIs tested in this study were stored outside their native packaging and outside their instructions for use, including the 3M™ Attest™ Tri-Metric VH2O2 Chemical Indicator (Type 4). Always use and store VH2O2 CIs as per their instructions for use.

1. Reference 3M Study EM-05-692861.
2. Paper - Color Stability of Chemical Indicators (CIs) for Vaporized Hydrogen Peroxide (VH2O2) Sterilization Before Use EN_GL_70-2011-8083-6.