

## 941-0008

## SCC-Cassette™ – 10 x 10 units

<b>Contents</b>	Box with 100 SCC-Cassettes™ (10 bags each containing 10 SCC-Cassettes™).
<b>Application</b>	The SCC-Cassette™ is part of the NucleoCounter® SCC-100™ system, which is comprised of the Lysis buffer Reagent C, the SCC-Cassette™ and the NucleoCounter® SCC-100™. An optional part of the system is the SomaticView™ software, which offers a variety of advantages to the user. The NucleoCounter® SCC-100™ system is intended to count the total number of somatic cells in a sample of milk.
<b>Usage</b>	<p>The SCC-Cassette™ is a custom made disposable plastic device designed for optimal sample handling and safe disposal. The main features of the cassette are the piston, the flow system containing immobilized propidium iodide, and the measurement chamber.</p> <p>The cassette is loaded by gently pressing the piston when the tip of the cassette is immersed into the sample mixture. Approximately 60 µl of sample mixture is loaded into the cassette. The immobilized dye, located in the first three lanes of the flow system, is dissolved by the sample mixture and stains the non-viable cells.</p> <p>The loaded cassette is placed in the instrument and the analysis initiated. The piston is automatically moved further into the cylinder making the sample mixture flow through the mixing channels until it reaches the measurement chamber. The non-viable cells are stained by the dissolved dye. Finally the image of the sample mixture is taken using fluorescence technique.</p> <p>During production each cassette is marked with a black dot-code, which is used for exact calculation of the analysed volume.</p> <p><b>Caution!</b> In order to avoid contaminating the clear window of the measurement chamber it is important not to touch the window when handling the cassettes.</p> <p>For detailed procedure for the analysis refer to the User's Guide for the instrument and the appropriate Application Notes.</p>
<b>Stability</b>	<p>For sealed bags refer to the expiry date on the bag.</p> <p>After unsealing the bag the SCC-Cassettes™ expire after 2 weeks. During this period the SCC-Cassettes™ must be protected from moisture and light. This may be achieved by closing the bag with a clip.</p>
<b>Storage</b>	<p>Store at room temperature.</p> <p>After opening the bag the SCC-Cassette™ must be protected from moisture and light. This may be achieved by closing the bag by folding it carefully.</p>
<b>Safety information</b>	<p>Each SCC-Cassette™ contains approximately 2 µg of Propidium Iodide (PI). Therefore it must not be attempted to unload the SCC-Cassette™.</p> <p>If a leak is observed from a SCC-Cassette™ discard the cassette immediately and perform a clean-up of the area which may have been in contact with content of the SCC-Cassette™. Dispose of protective gloves or wash hands thoroughly if gloves are not used. A small droplet can often be observed at the tip of a loaded SCC-Cassette™, this is not a leak but excess liquid that has not entered the SCC-Cassette™.</p>
<b>Disposal of Used Cassettes</b>	<p>After use the SCC-Cassette™ should be disposed of in accordance with applicable National, Federal, Local and State laws and regulations.</p> <p>Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.</p>