

RODAC PLATES		M-05-K-UK	
Application area: Finished textile and/or hard surfaces (conveyor belts, tables, etc.)	Page	1 of 2	
	Date:	060420	
	WVS version	V01	
EXTERNAL PROCEDURE CCD			
Requirements:			
<p>Rodac type T: for determining the total amount of micro-organisms (general hygienic state) Rodac type E: for determining the amount of <i>Enterobacteriaceae</i> Rodac type S: for determining the amount of <i>Staphylococcus sp.</i></p> <p>Store the Rodac plates on room temperature (12-25°C). Use the Rodacs before the expiration date (as indicated on the package).</p>			
Treatment:			
<p>Pay attention when opening the package, the lids must stay on the plates. Never touch the medium of the plates and the inside of the lid with your hands!</p> <p>Treat the textile samples in such a way that the Rodac plates can be used on a place that is not touched. Preferably the articles are tested directly after the last process step (fi. folding). Prevent unnecessary transport of the textile. In any case do not enter the soiled textile area.</p> <p>The procedure is the same for hard surfaces, don't touch the surface to be tested with your hands.</p>			
Procedure:			
<p>For textiles one Rodac of all three types (T, E and S) are used on <u>one</u> test sample. The Rodac must be in contact with separate areas of the sample.</p> <p>Hard surfaces are normally only tested for the total amount of micro-organisms with Rodac type T.</p> <p>Make sure your clothes and hands are clean. Test in a clean environment. Place the textile on a flat surface. Avoid talking, coughing and/or deep breathing.</p> <p>Take the lid of a Rodac plate. Press the medium of the Rodac plate firmly on the test sample (duration: 10 seconds, pressure similar with 500 gram). If the medium of the Rodac is damaged on non flat surfaces, use a lower pressure. Replace the lid on the Rodac plate. The structure of the textile will be visible on the Rodac plate.</p> <p>Directly after sampling, the Rodac plates must be incubated. Place the plates upside down in the incubator. Piling up is possible.</p> <p><u>Incubate:</u> 48(±2) hours at 37(±1)°C, upside down.</p> <p><u>Counting after incubation:</u> all colonies that appear after incubation are counted.</p>			

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Calculation: The results are expressed in colony forming units (cfu) per Rodac plate. The total surface of a Rodac plate is 24 cm ² . <u>Dutch norms:</u> The maximum allowed number for the total amount of micro-organisms is 48 cfu per Rodac plate (equals 2 cfu/cm ²). <i>Enterobacteriaceae</i> and <i>Staphylococcus sp.</i> must not appear. The maximum allowed number for type of E and S is therefore 0.		
Details: The method is in accordance with ISO18593:2004. The Rodac plates must be disposed in a proper way, according to local regulations.		