

# DIN EN ISO 19574:2022-05 (E)

## Footwear and footwear components - Qualitative test method to assess antifungal activity (growth test) (ISO 19574:2022)

---

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Foreword</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>5</b>
<b>4 Principle</b> .....	<b>6</b>
<b>5 Safety</b> .....	<b>6</b>
<b>6 Apparatus</b> .....	<b>6</b>
<b>7 Reagents and culture medium</b> .....	<b>7</b>
7.1 General.....	7
7.2 Water.....	7
7.3 Malt Extract Agar (MEA) medium.....	7
7.3.1 Composition.....	7
7.3.2 Preparation.....	7
7.4 Physiological saline (sodium chloride solution).....	8
7.4.1 Composition.....	8
7.4.2 Preparation.....	8
7.5 Wetting agent (nonionic surfactant).....	8
7.6 Buffer solution.....	8
7.6.1 Buffer stock.....	8
7.6.2 Preparation of buffer stock.....	8
7.6.3 Preparation of buffer solution.....	8
<b>8 Test microorganisms</b> .....	<b>8</b>
<b>9 Preparation of test spore suspension</b> .....	<b>9</b>
<b>10 Preparation of test specimens</b> .....	<b>10</b>
10.1 General.....	10
10.2 Test and control specimens.....	10
10.3 Pre-treatment of test and control specimens.....	10
<b>11 Test procedure</b> .....	<b>11</b>
11.1 Inoculation of solidified agar plates.....	11
11.2 Arrangement of test and control specimens.....	11
11.3 Inoculation of test and control specimens.....	11
11.4 Incubation.....	11
11.5 Viability control of the spores.....	11
11.6 Assessment of micro-fungal growth.....	11
<b>12 Expression of results</b> .....	<b>12</b>
<b>13 Test report</b> .....	<b>12</b>
<b>Bibliography</b> .....	<b>14</b>