

# ISO 6887-5:2020-04 (E)

## Microbiology of the food chain - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 5: Specific rules for the preparation of milk and milk products

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>4</b>	<b>Principle .....</b>	<b>2</b>
<b>5</b>	<b>Diluents .....</b>	<b>2</b>
<b>5.1</b>	<b>List of diluents .....</b>	<b>2</b>
<b>5.2</b>	<b>Distribution and sterilization of the diluents .....</b>	<b>5</b>
<b>5.3</b>	<b>Performance testing for diluents .....</b>	<b>5</b>
<b>6</b>	<b>Apparatus .....</b>	<b>6</b>
<b>7</b>	<b>Sampling .....</b>	<b>6</b>
<b>8</b>	<b>General procedures .....</b>	<b>6</b>
<b>8.1</b>	<b>General .....</b>	<b>6</b>
<b>8.2</b>	<b>Frozen products .....</b>	<b>6</b>
<b>8.3</b>	<b>Hard and dry products .....</b>	<b>7</b>
<b>8.4</b>	<b>Liquid and non-viscous products .....</b>	<b>7</b>
<b>8.5</b>	<b>Multi-component products .....</b>	<b>7</b>
<b>8.6</b>	<b>Acidic products .....</b>	<b>7</b>
<b>8.7</b>	<b>High-fat foods (fat content &gt; 20 % mass fraction) .....</b>	<b>7</b>
<b>9</b>	<b>Specific procedures .....</b>	<b>7</b>
<b>9.1</b>	<b>Milk and liquid milk products .....</b>	<b>7</b>
<b>9.2</b>	<b>Dehydrated milk, dehydrated sweet whey, dehydrated acid whey, dehydrated buttermilk and lactose .....</b>	<b>7</b>
<b>9.3</b>	<b>Cheese and cheese products .....</b>	<b>8</b>
<b>9.4</b>	<b>Acid casein, lactic casein, rennet casein and caseinate .....</b>	<b>8</b>
<b>9.4.1</b>	<b>General case .....</b>	<b>8</b>
<b>9.4.2</b>	<b>Special case: Rennet casein .....</b>	<b>8</b>
<b>9.5</b>	<b>Butter .....</b>	<b>8</b>
<b>9.6</b>	<b>Milk-based ice-cream .....</b>	<b>9</b>
<b>9.7</b>	<b>Milk-based custard, desserts and sweet cream (pH &gt; 5) .....</b>	<b>9</b>
<b>9.8</b>	<b>Milk-based fermented milks, yogurt, probiotics milk products and sour cream (pH &lt; 5) .....</b>	<b>9</b>
<b>9.9</b>	<b>Dehydrated milk-based infant foods with or without probiotics .....</b>	<b>9</b>
<b>10</b>	<b>Further decimal dilutions .....</b>	<b>10</b>
<b>Bibliography .....</b>		<b>11</b>