

# ISO 5764:2009-05 (E)

Milk — Determination of freezing point — Thermistor cryoscope method (Reference method)

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>iv</b>
<b>Foreword</b> .....		<b>v</b>
<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>1</b>
<b>4</b> <b>Principle</b> .....		<b>2</b>
<b>5</b> <b>Reagents</b> .....		<b>2</b>
<b>6</b> <b>Apparatus</b> .....		<b>3</b>
<b>7</b> <b>Sampling</b> .....		<b>4</b>
<b>8</b> <b>Calibration of the thermistor cryoscope</b> .....		<b>4</b>
<b>9</b> <b>Preparation of test sample</b> .....		<b>5</b>
<b>9.1</b> <b>Preparation</b> .....		<b>5</b>
<b>9.2</b> <b>Sample condition</b> .....		<b>6</b>
<b>10</b> <b>Procedure</b> .....		<b>6</b>
<b>10.1</b> <b>Preliminary checks</b> .....		<b>6</b>
<b>10.2</b> <b>Routine calibration check</b> .....		<b>6</b>
<b>10.3</b> <b>Determination</b> .....		<b>6</b>
<b>11</b> <b>Calculation and expression of results</b> .....		<b>7</b>
<b>11.1</b> <b>Calculation</b> .....		<b>7</b>
<b>11.2</b> <b>Expression of results</b> .....		<b>7</b>
<b>12</b> <b>Precision</b> .....		<b>7</b>
<b>12.1</b> <b>Interlaboratory test</b> .....		<b>7</b>
<b>12.2</b> <b>Repeatability</b> .....		<b>7</b>
<b>12.3</b> <b>Reproducibility</b> .....		<b>7</b>
<b>13</b> <b>Test report</b> .....		<b>8</b>
<b>Annex A</b> (informative) <b>Interlaboratory trial on bovine milk</b> .....		<b>9</b>
<b>Annex B</b> (informative) <b>Interlaboratory trial on raw ovine and caprine milk</b> .....		<b>11</b>
<b>Annex C</b> (informative) <b>Guidelines for the application of routine thermistor cryoscope methods</b> .....		<b>13</b>
<b>Annex D</b> (informative) <b>Adjustment of the freezing point value used as the reference for genuine milk</b> .....		<b>16</b>
<b>Bibliography</b> .....		<b>17</b>