

# DIN EN ISO 18743:2023-11 (E)

## Microbiology of the food chain - Detection of *Trichinella* larvae in meat by artificial digestion method (ISO 18743:2015 + Amd 1:2023) (includes Amendment:2023)

---

<b>Contents</b>	<b>Page</b>
European foreword .....	3
<b>A1</b> European foreword to Amendment <b>A1</b> .....	4
Foreword .....	5
<b>A1</b> Foreword to Amendment <b>A1</b> .....	6
Introduction .....	7
<b>1</b> <b>Scope</b> .....	<b>8</b>
<b>2</b> <b>Normative references</b> .....	<b>8</b>
<b>3</b> <b>Terms and definitions</b> .....	<b>8</b>
<b>4</b> <b>Principle</b> .....	<b>9</b>
4.1    General .....	9
4.2    Sample size .....	9
4.3    Blending/grinding of the muscle sample .....	9
4.4    Preparation of the digest fluid .....	9
4.5    Digestion of the chopped meat .....	10
4.6    Filtration of the digest fluid .....	10
4.7    Sedimentation of the digest fluid .....	10
4.8    Microscopic examination .....	10
4.9    Verification of findings .....	10
<b>5</b> <b>Reagents</b> .....	<b>10</b>
<b>6</b> <b>Apparatus</b> .....	<b>11</b>
<b>7</b> <b>Sampling, labelling, and transport</b> .....	<b>12</b>
<b>8</b> <b>Sample preparation</b> .....	<b>12</b>
<b>9</b> <b>Procedure</b> .....	<b>12</b>
9.1    General .....	12
9.2    Blending/grinding .....	12
9.3    Preparation of the digest fluid .....	13
9.4    Digestion of the chopped meat in the glass beaker .....	13
9.5    Filtration of the digest fluid .....	13
9.6    Sedimentation of the digest fluid in the separatory funnel .....	14
9.7    Collection of the primary and secondary sediment .....	14
9.8    Microscopic examination .....	14
<b>10</b> <b>Documentation</b> .....	<b>15</b>
<b>11</b> <b>Expression of the results</b> .....	<b>15</b>
<b>12</b> <b>Safety measures</b> .....	<b>15</b>
<b>Annex A</b> (normative) <b>Sample collection</b> .....	<b>16</b>
<b>Annex B</b> (normative) <b>Frozen samples</b> .....	<b>18</b>
<b>Annex C</b> (informative) <b>Artificial digestion magnetic stirrer method</b> .....	<b>19</b>
<b>Annex D</b> (informative) <b>Example of a laboratory worksheet for recording data when testing pooled samples by digestion assay</b> .....	<b>21</b>
<b>A1</b> <b>Annex E</b> (informative) <b>Method validation studies and performance characteristics <b>A1</b></b> .....	<b>22</b>
<b>Bibliography</b> .....	<b>23</b>