

# DIN EN ISO 11816-1:2024-09 (Engli sch)

## Milk and milk products - Determination of alkaline phosphatase activity - Part 1: Fluorimetric method for milk and milk-based drinks (ISO 11816-1:2024)

---

Contents	Page
European foreword.....	3
Foreword .....	4
<b>1</b> Scope.....	<b>6</b>
<b>2</b> Normative references.....	<b>6</b>
<b>3</b> Terms and definitions.....	<b>6</b>
<b>4</b> Principle.....	<b>6</b>
<b>5</b> Reagents.....	<b>7</b>
<b>6</b> Apparatus.....	<b>8</b>
<b>7</b> Sampling.....	<b>9</b>
<b>8</b> Preparations.....	<b>9</b>
8.1 Alkaline phosphatase-free milk.....	9
8.2 Preparation of the test sample.....	9
8.2.1 General.....	9
8.2.2 Pasteurized test samples.....	9
8.2.3 Dilution of test samples with high ALP values.....	9
<b>9</b> Procedure.....	<b>9</b>
9.1 Verification of instrument performance.....	9
9.1.1 General.....	9
9.1.2 Daily instrument tests.....	10
9.1.3 Using FLM200.....	10
9.1.4 Using FLM300.....	10
9.1.5 Controls.....	10
9.2 Reagent controls to test the suitability of ready-to-use working substrate ( <a href="#">5.3</a> ).....	11
9.3 Calibration.....	11
9.3.1 General.....	11
9.3.2 Using FLM200.....	11
9.3.3 Using FLM300.....	11
9.4 Determination.....	12
9.5 Test-sample-related controls.....	13
9.5.1 Recommended negative and positive control tests.....	13
9.5.2 Interfering substance test.....	13
9.5.3 Heat-stable microbial alkaline phosphatase control test.....	13
<b>10</b> Calculation and expression of results.....	<b>13</b>
10.1 Calibration ratio.....	13
10.2 Calculation.....	14
10.3 Expression of test results.....	14
<b>11</b> Precision.....	<b>14</b>
11.1 Interlaboratory study.....	14
11.2 Repeatability.....	14
11.3 Reproducibility.....	14
<b>12</b> Test report.....	<b>15</b>
<b>Annex A</b> (informative) <b>Interlaboratory study</b> .....	<b>16</b>
<b>Bibliography</b> .....	<b>19</b>