**Determination of calcium content in milk by titrimetric method**

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|  | **sample** | **blank sample** | **comparative sample** |
|  | **volumetric flask (250 ml)** | | |
| **milk** | 10 g of milk  make up to volume 250 ml with distilled water | - | - |
|  | **titration flask (250 ml)** | | |
| **diluted solution of milk** | 50 ml | - | - |
| **distilled water** | 100 ml | 150 ml | 150 ml |
| **NaOH (c = 4 mol/l)** | 5 ml | 5 ml | 5 ml |
| **indicator murexid** | 0,2 g | 0,2 g | 0,2 g |
| **complexon III**  **(c = 0,01 mol/l)** | titrate with complexon III to the violet-blue colour | titrate with complexon III to the violet-blue colour | add 10 ml of complexon III  *The colour of this solution is the colour that marks the end of titration.* |

First prepare comparative sample, than blank sample and for the last time sample!!