**Method:**

**Protein estimation in milk and Egg**

**1-**Set up a series of test tubes as follow:

|  |  |  |
| --- | --- | --- |
| water | Protein solution | Tube |
| 1.5 | 4.5 | 1 |
| 3 | 3 | 2 |
| 3.6 | 2.4 | 3 |
| 4.5 | 1.5 | 4 |
| 5.1 | 0.9 | 5 |
| 5.7 | 0.3 | 6 |

**2-**Label a fresh set of test tubes 1 to 6 , blank, egg sample, milk sample:

-Add 8 ml of sulphosalisalic acid to each test tube

-Into tube 1 pipette 2 ml of protein solution 1

-Into tube 2 pipette 2 ml of protein solution 2,,,,,,etc

-in the blank add 2 ml water,

|  |  |  |
| --- | --- | --- |
| water | sample |  |
| ----- | ------- | Milk |
| ----- | ------- | Egg |

-Mix the content of each tube well and allow to stand for five minutes

-Using solution 7 (blank) in the cuvette of the spectrophotometer set the transmission at 500 nm

-Then record the transmissions

**Result:**

|  |  |  |
| --- | --- | --- |
| Concentration mg/dl | Transmission at 500 nm | Tube |
|  |  | 1 |
|  |  | 2 |
|  |  | 3 |
|  |  | 4 |
|  |  | 5 |
|  |  | 6 |
|  |  | Egg Sample |
|  |  | Milk sample |

**3-Calculations:**

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