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**Name**:

**III.** [ ] fill in the units in the square brackets

**Task: Ultrasound hemolysis**

**Keywords: definition of ultrasound, principle of ultrasound, physical effects of ultrasound, cavitation, uses of ultrasound in medicine, light microscope – principle and parts**

Measured values:

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| Time [ ] | Number of eryt. | Number of eryt. in 1 ml | Level of hemolysis [ ] |
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Calibration graph:

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**x - axis ………………………………… [ ]**

**Gap for calculation:**

**Discussion:**

Importance for the medicine / connection with the health and illness:

Possible errors and accuracy:

Conclusion:

**Task – Measuring ionising radiation absorption**

**Keywords: definition ionising radiation, types of ion. radiation, physical effect, health effects, measuring of ionising radiation, sources of ionising radiation, protection**

Measured values:

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|  | Nr. 1, avg. C1,C2,C3of impulses | Nr. 2, avg. C1,C2,C3of impulses | Nr. 3, avg. C1,C2,C3of impulses | **Average value of impulses** | **Background subtraction** |
| Background  |  |  |  |  | **X** |
| Activity of sample |  |  |  |  |  |
| Thickness of filter …….  |  |  |  |  |  |
| Thickness of filter ……. |  |  |  |  |  |
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Calibration graph:

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**x - axis ………………………………… [ ]**

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| **Half-layer value [ ]** |  |
| **Linear attenuation coefficient value [ ]** |  |

**Gap for calculation**

**Discussion**

Importance for the medicine / connection with the health and illness:

Possible errors and accuracy:

Conclusion: