**Annex No. 1 of the Purchase Contract - Technical Specification of the Subject of Fulfilment**

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| **Description of the subject of fulfilment and its required minimum technical parameters.:** | **Technical parameters of the offered product:**  *The*  *parameters of the offered product must be properly filled in, i.e. the technical parameters and their values or functions must be directly stated (as indicated in each line)* |
| The Spectral Preclinical CT offered by the vendor meets the requirements (functions/parameters) listed below: | |
| *The supplier should add here* ***the trade name*** *of the offered item of performance:*…………………………………………………………… | |
| **Specification of the product:** | *The vendor should add below all the offered features or parameters of the offered product:* |
| 1. Diameter of the examination port at least 12 cm | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. FOV (field of view) of at least 12 cm | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. Scan length of at least 20 cm | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. X-ray shielding | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. Radiation dose administered per CT scan less than 0.1 Gy | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. Spatial resolution less than 100 µm | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. Scanning time for the entire mouse up to 7 cm is less than 15 min. | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. Detector technology that counts single photons, active area of detector at least 2,5x8 cm2. The detector should be capable of displaying each photon captured and recording each individual photon separately and assigning an exact location, time and energy. | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. Pixel size less than 120 µm x 120 µm | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. CZT or CdTe sensor, thickness of at least 0,75 mm | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. Simultaneous differentiation and quantification of at least five different materials in a single scan (e.g. calcium, gadolinium, iodine) | *Fill in here the specific features/parameters to verify all the requirements in the table on the left (it is not sufficient to add only yes or meet)* |
| 1. CT imaging of soft tissue with low contrast | *Fill in yes or pass* |
| 1. Access to raw data | *Fill in yes or pass* |