Item	Product Commodity	Item description	Tech Specs / SoW attached Y/N	Radioactive Item Y/N
1	Radiology QA equipment	**PMMA plates for AEC evaluation:** Plates of 1 and 2 cm (min. dimensions 30cm x 30 cm). Total thickness more than 20 cm.	N	N
2	Radiology QA equipment	**Densitometer for radiography/mammography:** The densitometer shall be suitable for use with radiography and mammography films. The following characteristics are considered essential: - max OD should be at least 4.0 - measuring apperture(s) less than 2mm - accuracy better than 0.03 OD - film for system calibration should be included. Detailed specifications (datasheet) of the offered densitometer shall be provided.	N	N
3	Radiology QA equipment	**Sensitometer for radiography/mammography:** Dual colour (blue/green). 21 steps. Battery operated.	N	N
4	Radiology QA equipment	**Radiology QC multimeter (Radio/Fluoro/Mammo/CT):** Electrometer and detectors, as appropriate, able to perform kV, time, dose, dose rate, HVL, and total filtration measurements in the following modalities: • Radio/fluoro/angio/dent • Mammo • CT Additional items required : • CT chamber / probe • Dose probe for low dose measurements (eg detector) • Notebook PC (if required) • Carrying case Detailed specifications (datasheet) of the offered system shall be provided.	N	N
5	Radiology QA equipment	**Calibrated photometer for diagnostic radiology:** It shall be auto ranging and designed to measure both luminance of medical B/W display devices and illuminance. - Luminance meter (photometer) able to measure luminance between 0.5 and 1000 cd/m2 with better than 5% accuracy, complying with the International Commission on Illumination (CIE) standard photopic spectral response to within 3%. - Illuminance meter able to measure illuminance between 1 and 500 lx (lm/m2) with better than 5% accuracy, complying with the CIE standard photopic response to within 3%.	N	N
6	Radiology QA equipment	**Image quality phantom of Radio/Fluoro systems:** Complete phantom/test plate for routine QA in radiography (screen-film/CR/DR) and fluoroscopy. The phantom shall be able to provide adequate absorption for direct use in clinical systems. The evaluation of (at least) the following shall be possible: - high contrast - low contrast - light/x-ray field allignment - OD under AEC conditions Detailed specifications (datasheet) of the offered phantom shall be provided.	N	N
7	Radiology QA equipment	**Set of Al filters for HVL in Radio/fluoro and mammo:** Set of high purity (min. 99.9%) aluminum plates of different thicknesses (0.1mm, 0.2mm, 0.5mm, 1.0mm, 2.0mm), for use in radiography/fluroroscopy and mammography. Minimum total thickness of at least 6mm Approx. dimensions 10cm x 10cm	N	N
8	Radiology QA equipment	**Nested CTDI PMMA phantom:** PMMA phantom of 16cm/32cm diameter. Length more than 15cm	N	N
9	Radiology QA equipment	**Resolution patterns for radiography and mammography:** Bar patterns able to measure at least 0.5 - 5 LP/mm 5 - 17 LP/mm with indicated values of the line sets.	N	N
10	Radiology QA equipment	**Kerma Area Product meter, including chamber and electrometer, with the following requirements:** 1) Shall comply with IEC-60580; 2) Shall be able to directly measure the Kerma and the Kerma-Area Product in the Diagnostic Radiology energy range; 3) Shall be calibrated for at least RQR-5; 4) Shall include appropriate transparent detector; 5) Shall include separate electrometer; 6) Shall include necessary connection and power cables	N	N
11	Radiology QA equipment	**Mammography image quality phantom:** Complete phantom for routine QA in digital mammography. The phantom must provide breast equivalent absorption for direct use in mammography units. At least the following anatomical mimicking featues must be included in the phantom: - calcifications - masses - fibrous inhomogeneities	N	N
12	Radiology QA equipment	**CT performance phantom:** Complete phantom for routine QA (and/or accreditation) in computed tomography. The phantom shall be able to provide adequate absorption for direct use in clinical systems and be of adequate length to allow scanning with clinical protocols. The evaluation of (at least) the following shall be possible: - light/x-ray field allignment - image uniformity and noise - HU linearity with at least 4 materials - slice thickness - high contrast resolution - low contrast resolution Detailed specifications (datasheet) of the offered phantom shall be provided.	N	N