



Annex 1. - Contract Performance Description

The supplier will purchase the following items exclusively for the purposes of ZZ „BRKA“ Brčko to implement extension of the project *“Increasing the quality and quantity of milk in Brčko region”*.

Num	Item	Quantity	Description
1	MILKOSCOPE JULIE Z9 FULMATIC	1 pcs	Fully automatic. Flushing and resetting, followed by special sensors that make it very precise. Planned to be hold in laboratory Measuring Ranges: Fat: 0% - 50%, Accuracy $\pm 0.01\%$ Protein: 0% - 15%, Accuracy $\pm 0.01\%$ Lactose: 0% - 20%, Accuracy $\pm 0.01\%$ Solids-Non-Fat (SNF) : 0% - 50%, Accuracy $\pm 0.01\%$ Solids: 0% - 10%, Accuracy $\pm 0.01\%$ Density: 1000-1200 kg/m ³ , Accuracy: $\pm 0,1$ kg/m ³ Added Water: 0%-100%, Accuracy: $\pm 1\%$ Freezing Point: -0,400 to -0,700°C, Accuracy: 0,005 °C Sample Temperature: 5 - 30°C
2	LACTOSCAN MCCW	1 pcs	Quick analysis of milk and liquid dairy products. Portable and planned to be taken on field with veterinary technician. Measuring Ranges: Fat: 0,01% - 45%, Accuracy $\pm 0.06\%$ Solids-Non-Fat (SNF) : 3% - 40%, Accuracy $\pm 0.15\%$ Density: 1000-1160 kg/m ³ , Accuracy: $\pm 0,3$ kg/m ³ Protein: 2% - 15%, Accuracy $\pm 0.15\%$ Lactose: 0,1% - 20%, Accuracy $\pm 0.20\%$ Added Water: 0%-70%, Accuracy: $\pm 3\%$ Sample Temperature: 5 - 40°C Freezing Point: -0,400 to -0,700°C, Accuracy: 0,005 °C Salts: 0,4%-4%, Accuracy: $\pm 0,05\%$ pH: 0-14 , Accuracy: $\pm 0,05\%$ Conductivity: 2-14mS/cm, Accuracy: $\pm 0,05\%$ mS/cm Kg: 0-150kg, Accuracy: $\pm 0,025\%$ Total Solids: 0% - 50%, Accuracy $\pm 0.17\%$
3	MILK ANALYZER LACTOSCAN FARM ECO	1 pcs	Quick analysis of milk and liquid dairy products. Portable and planned to be taken on field daily with dairy truck. Can perform fast analysis of Fat content, SNF, Density, Protein, Lactose, Added water, Milk sample temperature, Freezing point and Salts
4	PH PORTABLE	1 pcs	Used to determin pH of milk. Fresh milk has a pH value of 6,7. When the pH value of the milk falls below pH 6,7, it typically indicates spoilage by bacterial degradation. Milk with pH values higher than pH 6.7 potentially



			indicate that the milk may have come from cows with a mastitis infection.
5	CLEANING SOLUTION	10 kg	Used as cleaning solution on all lab equipment.
6	MILK ANALYZER LACTOSCAN SCC	1 pcs	LACTOSCAN SCC somatic cell counter is used to detect sub-clinical and clinical mastitis in cow, buffalo, sheep, goat, human milk, est. Fast and accurate results in 20 to 60 seconds. Helps in finding mastitis in cows so we can find cow that has infection and treat her with medicaments.
7	LACTOSCAN SCC KIT X 4	10 boxes	Used in MILK ANALYZER LACTOSCAN SCC to test somatic cells. One box contains 400 tests.
8	MILK SECURITY TEST FOR TITRATABLE ACIDITY	10 boxes	Used in MILK ANALYZER LACTOSCAN SCC to test titratable acidity. One box contains 400 tests.
9	VORTEX MIXER	1 pcs	Vortex mixer is device used commonly in laboratories to mix small vials of liquids (in our case milk). It has various speed settings. It is used to test milk fat and can be used for calibration of other equipment.
10	ANTIBIOTIK TESTERS	500 pcs	SNAP TESTS, used in quick analysis of milk for presence of antibiotics.
11	WORK TABLES FROM STAINLESS STEEL - INOX AND WATER BATH	1 line	Specialized laboratory furniture made from inox (stainless steel) for easy cleaning and water bath used for sterilization of equipment that is used in laboratory. Work tables are custom made from combination of materials (steel and decorative plywood) with top made from stainless steel. Overall length will be 3 m, depth 0,8m and height 0,85m.
12	COMUPUTER WITH MONITOR	1 set	Computer: Processor: AMD FX-6300 3.5 GHz AM3+, Motherboard: AMD 760G AM3+, Ram: Crucial Balistix Sport 8 GB DDR3 1600MHz, SSD: Adata SSD SU800 256GB, Graphic card: AMD Radeon RX 460 4GB DDR5, Case: Aerocool, Power supply: Thermaltake 450W, Other: DVD RW, PCI Express



			Monitor: AOC E2775SJ, Size: 27", LED, Full HD, Resolution: 1920 x 1080, 60Hz. Brightness: 300 cd/m ² . Contrast: 1000: 1. Angle: 170/160.
13	TERMO PRINTER TRANSFER CITIZEN CL-S700	1 pc	Printer that is capable for printing termo labels that are durable to humidity. It is used to print bar codes and other information about our farmers from whom we control quality of milk. As samples will be transferred in freezers we need printer that makes termo labels that are water resistant.
14	FRIDGE FOR STORAGE OF MILK SAMPLES	1 pc	Large fridge that is used for storage of milk samples and other samples. Has plus and minus chamber. Fridge Whirlpool WBE 3714 W – no frost technology, 5 year warranty, Energy class A+
15	CABINET FOR STORAGE OF ACID, BASE ETC.	1 pc	Durable cabinet that is used for storage of acid, base, and other chemicals used in laboratory. Dimension 1945x920x420 mm
16	VACUUM PACKING MACHINE FOR SAMPLES	1 pc	It is used for vacuum packing samples before shipment or storage. By vacuume packing them we prolong sampling time and we get better and more accurate results.
17	PIPETTES	1 set	Automatic pipett with range 20-200ml and set of glass and plastic containers and other laboratory dishes.
18	VESSELS FOR STORING BREEDING SEEDS	2 pcs	Small and large container for storing breeding seeds. Large container is used for storing while small one is used for transfer from laboratory to farmers. By offering our farmers breeding seeds we can improve quality of milk as currently our farmers do not know anything about quality of breeding seeds that they are buying.