

ANNEX II + III : TECHNICAL SPECIFICATIONS + TECHNICAL OFFER - LOT 2

Contract title: Supplies for the combating of animal diseases

Location: Serbia

Publication reference: EuropeAid/133892/C/SUP/RS

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Column 1-2 should be completed by the Contracting Authority
Column 3-4 should be completed by the tenderer
Column 5 is reserved for the evaluation committee

Annex III - the Contractor's technical offer

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the Contracting Authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words "compliant" or "yes" are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

Lot 2: Laboratory reagents and consumables for CSF and rabies testing**Technical Specifications – Part I****Common Technical Specifications****1.1 Description of the Supply**

The subject of the contract is the supply, delivery, installation and commissioning of the supplies as stipulated in these Technical Specifications, DDP (Delivery Duty Paid) within 6 months after the Commencement Date.

Item no.	Description	Total quantity
1	RNA extraction kit suitable for 250 reactions	12
2	One step reverse-transcription PCR (RT-PCR) kit suitable for 100 reactions	12
3	PCR product purification kit suitable for 250 reactions	2
4	Real-Time reverse-transcription PCR (RT-PCR) kit suitable for 200 reactions	12
5	Sequencing kit for PCR products suitable for 100 reactions	4
6	Polymers for sequencing applications supplied as 3.0 mL units	10
7	Buffer for sequencing – supplied as 25.0 mL units	10
8	Running buffer for electrophoresis - supplied as 2.0 mL units	10
9	Molecular marker – DNA ladder for calibration supplied as 50 µg units	9
10	Dulbecco's modified Eagle's minimal essential medium (MEM) - 500 mL units	40
11	Minimal essential medium (MEM) with Earle salts - supplied as 500 mL units	40
12	RPMI 1640 tissue culture medium - supplied as 500 mL units	20

13	Sodium chloride sterile solution - supplied as 1L units	60
14	Ultra-pure water supplied as 1 L units	300
15	Amphotericin B aqueous solution - supplied as 100 mL units	10
16	Trypsin solution in PBS - supplied as 100 mL units	40
17	Fetal Bovine Serum - supplied as 500 mL units	20
18	Antibiotic/anti-mycotic solution - supplied as 100 mL units	30
19	Gentamicin sulphate – supplied as boxes of 10 units of 2.0 mL (20 mL in total)	15
20	0.2 mL plastic tubes – supplied in bags of 500	30
21	0.5 mL plastic tubes – supplied in bags of 250	60
22	1.5 mL plastic tubes - supplied in bags of 250	240
23	Real Time PCR plates with foil – supplied in units of 100 plates	15
24	PCR strip-tubes for sequencing – supplied in strips of 250	8
25	Plastic double filter tips for dispensing for PCR (50 – 1000 µL) –boxes of 10 x 96 tips	60
26	Plastic double filter tips for dispensing for PCR (2 – 20 µL) –boxes of 10 x 96 tips	60
27	Plastic double filter tips for dispensing for PCR (2 – 200 µL) –boxes of 10 x 96 tips	60
28	Plastic double filter tips for dispensing for PCR (0.1 – 10 µL) –boxes of 10 x 96 tips	60
29	Plastic tips for dispensing for PCR (50-1000 µL)	60,000
30	Plastic tips for dispensing for PCR (2-200 µL)	60,000

31	96-Well microtiter plate for tissue culture – supplied in units of 50 plates	8
32	Plastic tubes with lids (2 mL) – supplied in units of 1000	3
33	Tris-borate-EDTA buffer for DNA – supplied in 1 L units	6
34	Phosphate buffered saline solution - -- supplied in 1 L units	90
35	Agarose powder for gel electrophoresis – supplied as units of 100 g	6
36	Aqueous ethidium bromide solution – supplied in 10 mL units	6
37	PK15 cell culture – supplied as 125 mL units	2
38	Neuroblastoma cell culture – supplied as 125 mL units	2
39	BHK cell culture – supplied as 125 mL units	2
40	Plastic slide holder for 12 slides.	3
41	Sodium pyruvate solution – supplied as 100 mL units	3
42	Cryopreservation medium in 5% DMSO – supplied as 50 mL units	4
43	Cryopreservation medium in 10% DMSO - - -- supplied as 50 mL units	4
44	L-glutamine solution - supplied as 50 mL units	10
45	Antibiotics for mycoplasma cell culture - - supplied as 50 mL units	10

1.2 Technical requirements

The technical specifications are requirements based on the respective item's projected function or purpose. Characteristics and features deviating from particular technical solutions and figures or values given in the specifications (unless exceeding the requirements), due to the particular design of the actually offered product may be acceptable, as long as the required functionality is at least equivalent to the given specification.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

Items non-compliant with technical specifications will lead to the rejection of offers.

Equipment must conform to the relevant CE regulation. Wherever reference is made in the technical specifications to specific standards and codes, the provisions of the current edition or revision of the relevant shall apply, unless otherwise expressly stated.

Supplies must include all necessary parts and accessories to provide for installation and putting into operation so that the equipment is capable of operation in accordance with these technical specifications and the manufacturers' specifications.

All items and sub-items supplied must comply with all applicable Serbian and EU safety standards. Responsibility for obtaining any certificates required for the import and putting into use of equipment supplied rests wholly with the Contractor.

All electrical equipment must comply with Serbian electrical standards (specifically including power supplies, sockets and plugs). All cabling required for installation and use of the equipment must be included. It is the contractors responsibility to ensure that all equipment is in fully compatible with the Serbian electrical system.

Technical Specifications – Part II**Common Technical specifications**

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
1	RNA extraction kit suitable for 250 reactions – intended for purification of viral RNA from cell-free body fluids starting from less than 150 µL volume of sample. Kit provides a silica membrane to which viral RNA binds specifically and pure viral RNA is eluted in either water or a buffer provided with the kit.			
2	One step reverse-transcription PCR (RT-PCR) kit suitable for 100 reactions - designed for one-step RT-PCR using any RNA template. Suitable for transcription of RNA amounts from 1 pg to 2 µg.			
3	PCR product purification kit suitable for 250 reactions - using silica-membrane-based spin column purification of PCR products >100 bp. Elution volume of 30–50 µL			
4	Real-Time reverse-transcription PCR (RT-PCR) kit suitable for 200 reactions - Based on AmpliTaq Gold® DNA Polymerase, MultiScribe™ Reverse Transcriptase and RNase Inhibitor. Must be compatible with ABI 7300			

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
5	Sequencing kit for PCR products suitable for 100 reactions – suitable for de novo sequencing, re-sequencing, and finishing with PCR product, Plasmid, Fosmid, and BAC templates. Platform-Must be compatible with ABI 310			
6	Polymers for sequencing applications supplied as 3.0 mL units – can provide accuracy of 98% for 600b sequencing using standard module. Must be compatible with ABI 310, standard and rapid protocol, and ABI data collection and sequence analysis software.			
7	Buffer for sequencing – supplied as 25.0 mL units Proprietary buffer containing 400mM Tris-HCl (pH 9.0) and 10 mM MgCl ₂ (ABI 5X). Must be compatible with ABI 310			
8	Running buffer for electrophoresis - supplied as 2.0 mL units. Proprietary buffer (ABI 10X) Must be compatible with ABI 310			

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
9	Molecular marker – DNA ladder for calibration supplied as 50 µg units. Ready-to-use DNA ladder for sizing and for approximate quantification of a wide range of double-stranded DNA on agarose gels. Must be suitable over the range 50-1500 bp. Pre-mixed with Loading Dye for direct loading onto gel.			
10	Dulbecco's modified Eagle's minimal essential medium (MEM) - 500 mL units. Solution with L glutamine, containing 4.5 g/L glucose. pH of 6.8-7.5. Sterile and guaranteed to contain <1 EU/ml of endotoxins,			
11	Minimal essential medium (MEM) with Earle salts - supplied as 500 mL units. Solution containing Earle's salts, L-glutamine and sodium bicarbonate. pH of 7.0-7.5 Must be sterile-filtered and guaranteed to contain <1 EU/ml of endotoxins			
12	RPMI 1640 tissue culture medium - supplied as 500 mL units. Solution containing L glutamine and 25mM HEPES, pH 7.0 - 7.5. Must be sterile-filtered and guaranteed to contain <1 EU/ml of endotoxins			
13	Sodium chloride solution - supplied as 1L units. Aqueous solution containing 0.9% sodium chloride guaranteed sterile.			

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1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
14	Ultra-pure water supplied as 1 L units. Ultra-high purity sterile water guaranteed to be DNase-, RNase- and protease-free.			
15	Amphotericin B aqueous solution - supplied as 100 mL units. Solution of amphotericin B at a concentration of 250 µg/mL in deionized water, suitable for cell culture. Must be sterile and guaranteed to contain <1 EU/ml of endotoxins			
16	Trypsin solution in PBS - supplied as 100 mL units. Supplied as a Trypsin/EDTA solution containing 0.5 mg/mL trypsin and 0.22mg/mL EDTA in Phosphate Buffered Saline (PBS). Must be UV inactivated and guaranteed to be PPV free, and contain <10 EU/ml of endotoxins.			
17	Fetal Bovine Serum - supplied as 500 mL units. Must be heat inactivated, sterile-filtered and suitable for cell culture. Guaranteed to be free of Mycoplasma spp, PI3, BVDVAb, BVDV Ag, and BHV1.			
18	Antibiotic/anti-mycotic solution - supplied as 100 mL units. Solubilized in a proprietary citrate buffer. Must be formulated to contain 10,000 units/ml penicillin G, 10 mg/ml streptomycin sulfate and 25 µg/ml amphotericin B. pH in range 6.0-7.5 and guaranteed to contain <10 EU/ml of endotoxins.			

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
19	Gentamicin sulfate – supplied as boxes of 10 units of 2.0 mL (20 mL in total). Supplied at a concentration of 40 mg/mL in 2 mL units.			
20	0.2 mL plastic tubes – supplied in bags of 500 Ultra thin-walled transparent plastic tubes of 0.2 mL capacity. Must have writing surface. Must be guaranteed free of RNases, DNases, human DNA and endotoxins.			
21	0.5 mL plastic tubes – supplied in bags of 250 Ultra thin-walled transparent plastic tubes of 0.5 mL capacity. Must have writing surface. Must be guaranteed free of RNases, DNases, human DNA and endotoxins.			
22	1.5 mL plastic tubes - supplied in bags of 250 Ultra thin-walled transparent plastic tubes of 1.5 mL capacity with flat caps. Must have writing surface. Must be guaranteed free of RNases, DNases, human DNA and endotoxins.			
23	Real Time PCR plates with foil – supplied in units of 100 plates. 96-well semi-skirted polypropylene plates for use in PCR and qPCR applications. Must be compatible with ABI 7300			

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
24	PCR strip-tubes for sequencing – supplied in strips of 250. PCR strip tubes of 0.2 mL capacity available with ultra clear caps for PCR and qPCR applications. Must be compatible with ABI PRISM 310 Genetic Analyser			
25	Plastic double filter tips for dispensing for PCR (50 – 1000 µL) –boxes of 10 x 96 tips. Plastic tips of 76 mm in length calibrated over the range 50-1000 µL compatible with Eppendorf dispensers. Must contain double filters and be sterile and PCR inhibitor free.			
26	Plastic double filter tips for dispensing for PCR (2 – 20 µL) –boxes of 10 x 96 tips. Plastic tips of 53 mm in length calibrated over the range 2.0-20.0 µL compatible with Eppendorf pipette. Must contain double filters and be sterile and PCR inhibitor free.			
27	Plastic double filter tips for dispensing for PCR (2 – 200 µL) –boxes of 10 x 96 tips Plastic tips of 55 mm in length calibrated over the range 2.0-200.0 µL compatible with Eppendorf pipette. Must contain double filters and be sterile and PCR inhibitor free.			

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1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
28	Plastic double filter tips for dispensing for PCR (0.1– 10 µL) –boxes of 10 x 96 tips Plastic tips of 40 mm in length calibrated over the range 0.1-10.0 µL compatible with Eppendorf pipette. Must contain double filters and be sterile and PCR inhibitor free.			
29	Plastic tips for dispensing for PCR (50-1000 µL) Plastic reload tips of 71 mm in length calibrated over the range 50-1000 µL compatible with Eppendorf pipette. Must be sterile and PCR inhibitor free.			
30	Plastic tips for dispensing for PCR (2-200 µL) Plastic reload tips of 53 mm in length calibrated over the range 2-200 µL compatible with Eppendorf dispensers. Must be sterile and PCR inhibitor free.			
31	96-Well microtiter plate for tissue culture – supplied in units of 50 plates Plastic 96-well microplate with lid, flat-bottom intended for tissue culture. Must be Gamma irradiated and single wrapped			

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
32	Plastic tubes with lids (2 mL) – supplied in units of 1000. Clear plastic flat-bottomed tubes of 2.0 mL capacity with a push-on lid. Must have suitable writing surface.			
33	Tris-borate-EDTA buffer for DNA – supplied in 1 L units Tris-borate-EDTA (TDE) buffer for DNA and RNA polyacrylamide gel electrophoresis			
34	Phosphate buffered saline solution – supplied in 1 L units Phosphate buffered saline solution comprising 150 mM sodium phosphate; 150 mM NaCl with a pH of 7.2±0.1 (25°C) Must be sterile.			
35	Agarose powder for gel electrophoresis – supplied as units of 100 g Polysaccharide agarose powder intended for size-based separation of nucleic acids in agarose gel electrophoresis applications. Must be suitable for resolving DNA and RNA fragments from 100 bp to >30 kb.			

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
36	Aqueous ethidium bromide solution – supplied in 10 mL units Ethidium bromide aqueous solution at a concentration of 10mg/mL suitable for gel electrophoresis			
37	Pig Kidney (PK15) CSF susceptible cells guaranteed to be free of BVDV and mycoplasma free. Must correspond to ATCC number CCL33 or equivalent.			
38	Neuroplasma rabies susceptible cells guaranteed to be free of BVDV and mycoplasma free. Must correspond to ATCC number CCL33 or equivalent.			
39	Baby Hamster Kidney (BHK) rabies susceptible cells guaranteed to be free of BVDV and mycoplasma free. Must correspond to IZSLER cell culture catalog number BS CL8 or equivalent.			
40	Polystyrene slide holder with capacity to hold up to a maximum of 12 slides, glass or plastic. Six holders to the package. Must be washable & autoclavable. Approximate dimensions 10 cm x 15.2 cm.			

1. Item Number	2. Specifications Required	3. Specifications Offered	4. Notes, remarks, ref to documentation	5. Evaluation Committee's notes
41	Sodium pyruvate solution – supplied as 100 mL units Solution of sodium pyruvate with a concentration of 100 mmol			
42	Cryopreservation medium in 5% DMSO – supplied as 50 mL units Cryopreservation medium containing 5% dimethyl sulphoxide (DMSO), with cell stabilizers for DMSO sensitive cells,			
43	Cryopreservation medium in 10% DMSO - supplied as 50 mL units Cryopreservation medium containing 10% dimethyl sulphoxide (DMSO), with cell stabilizers for DMSO sensitive cells,			
44	L-glutamine solution - supplied as 50 mL units Aqueous solution of L-glutamine at a concentration of 200 mMol			
45	Antibiotics for mycoplasma cell culture - supplied as 50 mL units Proprietary antibiotic mixture for cell culture use for treatment of mycoplasma			

2.1.1. Training

- No training is foreseen under the scope of this contract.

2.2. Contractors's Warranty

- The contractor's warranty must remain valid for one year after provisional acceptance.
- In-warranty replacement or repair of a defective product shall be provided with no cost.

2.3. After-sales Service

- No after-sales services are foreseen under the scope of this Contract.

2.4. Place of delivery

The items should be delivered at the following destinations:

Item no.	Description	Belgrade*		Kraljevo*		Novi Sad*	
		Qty		Qty		Qty	
1	RNA extraction kit suitable for 250 reactions	6		-		6	
2	One step reverse-transcription PCR (RT-PCR) kit suitable for 100 reactions	6		-		6	
3	PCR product purification kit suitable for 250 reactions	1		-		1	
4	Real-Time reverse-transcription PCR (RT-PCR) kit suitable for 200 reactions	6		-		6	
5	Sequencing kit for PCR products suitable for 100 reactions	2		-		2	
6	Polymers for sequencing applications supplied as 3.0 mL units	5		5		-	
7	Buffer for sequencing – supplied as 25.0 mL units	5		5		-	
8	Running buffer for electrophoresis - supplied as 2.0 mL units	10					
9	Molecular marker – DNA ladder for calibration supplied as 50 µg units	3		3		3	
10	Dulbecco's modified Eagle's minimal essential medium (MEM) - 500 mL units	20		-		20	

Item no.	Description	Belgrade*		Kraljevo*		Novi Sad*	
		Qty		Qty		Qty	
11	Minimal essential medium (MEM) with Earle salts - supplied as 500 mL units	20		-		20	
12	RPMI 1640 tissue culture medium - supplied as 500 mL units	10		-		10	
13	Sodium chloride sterile solution - supplied as 1L units	20		20		20	
14	Ultra-pure water supplied as 1 L units	100		100		100	
15	Amphotericin B aqueous solution - supplied as 100 mL units	5		-		5	
16	Trypsin solution in PBS - supplied as 100 mL units	20		-		20	
17	Fetal Bovine Serum - supplied as 500 mL units	10		-		10	
18	Antibiotic/anti-mycotic solution - supplied as 100 mL units	10		10		10	
19	Gentamicin sulphate – supplied as boxes of 10 units of 2.0 mL (20 mL in total)	5		-		10	
20	0.2 mL plastic tubes – supplied in bags of 500	10		10		10	
21	0.5 mL plastic tubes – supplied in bags of 250	20		20		20	
22	1.5 mL plastic tubes - supplied in bags of 250	80		80		80	
23	Real Time PCR plates with foil – supplied in units of 100 plates	5		5		5	
24	PCR strip-tubes for sequencing – supplied in strips of 250	4		4		-	
25	Plastic double filter tips for dispensing for PCR (50 – 1000 µL) –boxes of 10 x 96 tips	20		20		20	
26	Plastic double filter tips for dispensing for PCR (2 – 20 µL) –boxes of 10 x 96 tips	20		20		20	
27	Plastic double filter tips for dispensing for PCR (2 – 200 µL) –boxes of 10 x 96 tips	20		20		20	
28	Plastic double filter tips for dispensing for PCR (0.1– 10 µL) –boxes of 10 x 96 tips	20		20		20	
29	Plastic tips for dispensing for PCR (50-1000 µL)	20,000		20,000		20,000	
30	Plastic tips for dispensing for PCR (2-200 µL)	20,000		20,000		20,000	
31	96-Well microtiter plate for tissue culture – supplied in units of 50 plates	4		-		4	

Item no.	Description	Belgrade*		Kraljevo*		Novi Sad*	
		Qty		Qty		Qty	
32	Plastic tubes with lids (2 mL) – supplied in units of 1000	1		1		1	
33	Tris-borate-EDTA buffer for DNA – supplied in 1 L units	2		2		2	
34	Phosphate buffered saline solution – supplied in 1 L units	30		30		30	
35	Agarose powder for gel electrophoresis – supplied as units of 100 g	2		2		2	
36	Aqueous ethidium bromide solution – supplied in 10 mL units	2		2		2	
37	PK15 cell culture – supplied as 125 mL units	1		-		1	
38	Neuroblastoma cell culture – supplied as 125 mL units	1		-		1	
39	BHK cell culture – supplied as 125 mL units	1		-		1	
40	Plastic slide holder for 12 slides.	1		1		1	
41	Sodium pyruvate solution – supplied as 100 mL units	3		-		-	
42	Cryopreservation medium in 5% DMSO – supplied as 50 mL units	2		-		2	
43	Cryopreservation medium in 10% DMSO – supplied as 50 mL units	2		-		2	
44	L-glutamine solution - supplied as 50 mL units	5		-		5	
45	Antibiotics for mycoplasma cell culture - - supplied as 50 mL units	5		-		5	

*The exact addresses will be communicated within the Commencement Order.

Contact Person: Mr Budimir Plavsic

Ministry of Agriculture, Forestry and Water Management

Veterinary Directorate

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11 070 Novi Beograd

Serbia

2.5. Visibility

All equipment must have a durable self-adhesive EU visibility logo.

The Contractor shall produce a draft of the layout and submit it for approval by the Contracting Authority prior to production / delivery.

The Contracting Authority shall advise the successful bidder on the exact dimension, layout, colour regime and wording/symbols of these self-adhesive stickers upon contract signature.

The Contractor will provide to the Project Manager documentary proof signed by Beneficiary that the EU visibility stickers have been submitted as foreseen above as part of their application for Provisional Acceptance. The design of the EU visibility sticker must be approved by Project manager in advance.

All supplies must comply with the generic Visibility policies in force within the scope of external aid contracts financed from the EU general budget; tenderers will thus be aware that certain visibility rules apply and that the guidelines and manuals concerned may be found in the EUROPEAID website, at: http://ec.europa.eu/europeaid/work/visibility/index_en.htm.

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