

TECHNICAL SPECIFICATION FOR THE PUBLIC BIDDING OF:

DATE OF PRE-BID CONFERENCE:

DEADLINE OF SUBMISSION OF BIDS:

OPENING OF BIDS:

UPLB-S-068-9-17, SUPPLY AND DELIVERY OF LABORATORY SUPPLIES

Wednesday, 6 September 2017 1:45 PM

Wednesday, 20 September 2017 UNTIL 1:00 PM

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LOT #	ITEM #	REQUIRED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
1	1	Coverall, Polyester (washable), blue, medium				
	2	Biohazard Disposal Bag (10-12 gal w/o sterilization indicator) 200/pack				
	3	Cotton swab, non sterile, 1000/pack				
	4	Autoclavable Plastic Bags, clear (100's/pack), at least 12x18 in.				
	5	Syringe w/ needle,sterile, 10ml, 100pcs/box, w/ 18g needle				
	6	Sterile Blood Collection Needles w/safety shield, double locking mechanism, with Pre-attached Holder, 21G needle, case of 100 w/ sterile compatible Blood collection tube with anticoagulant box of 100				
	7	Vacutainer tubes (10ml), sterile, w/o EDTA				
	8	Vacutainer tubes (10ml), sterile, w/ EDTA				
	9	Absolute ethanol, minimum 99.9% v/v min, 2.5L				
	10	Glacial Acetic Acid minimum 99.85% v/v min, 2.5L				
	11	Isopropanol, minimum 99.9% v/v min, 2.5L				
	12	Glass slide (plain), box of 72 PCS , for light microscopy				
	13	Glass slide (frosted end), box of 72 PCS, for light microscopy				
	14	Cover Slip, for light microscopy, box of 100 PCS				
	15	Specimen Cups (for urine/feces), 30ml, with graduation, polypropylene, clear				
	16	Vinyl Gloves, small, non-sterile,no-powder, 100 pcs/ box				
	17	Vinyl Gloves, medium, non-sterile,no-powder, 100 pcs/ box				
	18	Vinyl Gloves, large, non-sterile,no-powder, 100 pcs/ box				
	19	Transport System (sterile 145mm plastic swab applicator in container w/ transport medium), 500pcs PER PACK				

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	20	Rubbing Alcohol (70% isopropyl alcohol), 500ml bottle				
	21	70% Isopropyl alcohol in spray bottle (500ml)				
	22	15-20ml screw cap tubes (glass) with black cap PER PC				
	23	Weighing scale, 500g capacity per unit, 0.1g resolution				
	24	5ml syringe (sterile, pyrogen-free) 100pcs PER BOX				
	25	Autoclavable plastic bag (12x18), transparent, 500pcs PER PACK				
	26	4-well Plastic paddle for California Mastitis Test PER PC				
	27	Anaerobic Box (Transparent Polycarbonate), airtight, for growing anaerobic microorganisms, 2.5L PER PC				
2	1	Rapid standalone identification system for 70 medically important, oxidase-negative, gram-negative bacilli (4 hrs ID), complete kit, 20 tests PER KIT				
	2	Rapid standalone identification system for streptococci and related genera (4 hrs ID), complete, 20 tests PER KIT				
	3	Rapid standalone identification system for Staphylococcus sp, and related species, with 2ml inoculation fluid, 15ml Nitrate A reagent, and Nitrate B reagent, 20 tests PER KIT				
	4	Baird-Parker Egg Yolk Tellurite Agar, powder, 500g + 100ml Egg Yolk Tellurite Emulsion (intercompatible) PER LOT				
	5	Blood Agar Base (for Sheep Blood), powder, specifically formulated to give improved haemolytic reactions with sheep blood, 500g/bottle Composition (g/l) Tryptone: 14.0 Peptone Neutralised: 4.5 Yeast extract: 4.5 Sodium chloride: 5.0 Agar: 12.0				
	6	Brain Heart Infusion Broth, powder, 500g/bottle, for cultivation of streptococci, Neisseria and other fastidious organisms, must contain 12.5g/L Brain infusion solids 5g/L Beef heart infusion solids 10g/L Proteose peptone				

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	7	Cooked Meat Medium, 500g for the primary growth and maintenance of aerobic and anaerobic organisms. Contains: Heart muscle, Peptone, Lab-Lemco powder, Sodium chloride, Glucose				
	8	Eosin methylene blue agar (Levine), powder, 500g/bottle, for the differentiation of Escherichia coli and Enterobacteria aerogenes, for the rapid identification of Candida albicans, and for the identification of coagulase-positive staphylococci. prepared to the formula specified by the APHA pH 6.8 ± 0.2				
	9	Lactose Broth, powder, 500g/bottle, for the presumptive identification of E. coli and coliforms. Contains 'Lab-Lemco' powder, peptone, and lactose.				
	10	Lysine Decarboxylase Broth (Taylor modification), for the differentiation of the Enterobacteriaceae. Each tablet makes 5mL of medium, 100 tablets/bottle				
	11	MacConkey Agar, powder, 500g/bottle, differential medium for the isolation of coliforms and intestinal pathogens in water, dairy products and biological specimens. Contains: 20g/L Peptone 10g/L Lactose 5g/L Bile salts 5g/L Sodium chloride 0.075g/L Neutral red 12g/L Agar pH: 7.4 ± 0.2				
	12	Mannitol Salt Agar, 500g/bottle, powder, for selective medium for the isolation of presumptive pathogenic staphylococci, compatible with Egg Yolk Emulsion for detecting lipase activity of staphylococci and mannitol fermentation. Contains 1g/L Lab Lemco powder				
	13	MRVP Medium, powder, 500g/bottle, for the Methyl-red and Voges-Proskauer tests for the differentiation of the coli-aerogenes group. Can be subjected to QC via Escherichia coli ATCC® 25922 and Enterobacter cloacae ATCC® 23355 Tolerated storage conditions: Dehydrated medium at 10-30°C Prepared medium at 2-6°C w/ suggested technique for testing 4-6 hours old peptone water culture				

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	14	Nutrient Agar, 500g/bottle, powder, contains 1g/L Lab-Lemco powder. QC performed with ATCC® 25923 and ATCC® 25922				
	15	Nutrient Gelatin, 500g/bottle, powder, contains 3g/L Lab-Lemco powder. QC performed with ATCC® 27592 and ATCC® 25923				
	16	Peptone, bacteriological, 500g/bottle, powder, Typocal analysis (%): Total Nitrogen: 14.0 Amino Nitrogen: 2.6 Sodium chloride: 1.6 pH (2% solution) 6.2 ± 0.2				
	17	Potato Dextrose Agar, 500g/bottle, powder, conforms to the parameters of the harmonised Microbial Limit Tests from EP/USP/JP. Can be used for the preparation of Aspergillus niger for the Harmonised Microbial Limit Tests from EP/USP/JP Composition (g/l) Potato extract: 4.0 Glucose: 20.0 Agar: 15.0 pH 5.6 ± 0.2 @ 25°C				
	18	Rappaport-Vassiliadis (RV) Enrichment Broth, 500g/bottle, powder, for the isolation of salmonellae. With shelf life of at least 12 months. QC performed with ATCC® 14028, contains 5g/L soya peptone				
	19	SIM Medium, 500g/bottle, powder, contains: Tryptone: 20.0 g/L Peptone: 6.1 g/L Ferrous ammonium sulphate: 0.2 g/L Sodium thiosulphate: 0.2 g/L Agar: 3.5 g/L pH 7.3 ± 0.2 @ 25°C QC performed with: ATCC® 25922, ATCC® 13315, ATCC® 25931				

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	20	Simmons Citrate Agar, 500g/bottle, powder, complies with the recommendations of the APHA, QC done with ATCC® 13883 Composition: g/l Magnesium sulphate: 0.2 Ammonium dihydrogen phosphate: 0.2 Sodium ammonium phosphate: 0.8 Sodium citrate, tribasic: 2.0 Sodium chloride: 5.0 Bromothymol blue: 0.08 Agar: 15.0 pH 7.0 ± 0.2 @ 25°C				
	21	Plate Count Agar, 500g/bottle, powder, equivalent to the medium recommended by the APHA and the PHLS, QC done with ATCC® 25922 Composition (g/L): Tryptone: 5.0 Yeast extract: 2.5 Glucose: 1.0 Agar: 9.0 pH 7.0 ± 0.2 @ 25°C				
	22	Cholera Medium TCBS, 500g/bottle, powder, for selective isolation medium for pathogenic vibrios, QC performed with NCTC 11218 and NCTC 10885				
	23	Tetrathionate Broth Base, 500g/bottle, powder, for the selective enrichment of salmonellae, contains 0.9g/G Lab-Lemco powder. QC done with ATCC® 14028				
	24	Thioglycollate Medium, 500g/bottle, powder, QC performed with ATCC®13124, ATCC® 25923, ATCC® 8482, ATCC® 10231, ATCC® 6633				
	25	Triple Sugar Iron Agar, 500g/bottle, powder, contains 3g/L Lab-Lemco powder, QC performed with ATCC® 8739, ATCC® 13315, ATCC® 9027, and ATCC® 13076				
	26	Trypticase Soy Agar, 500g/bottle, powder, complies with formula specified in EP/USP/JP/BP, Qc performed with ATCC® 25923, ATCC® 19615				
	27	Trypticase Soy Broth, 500g/bottle, powder, complies with formula specified in EP/USP/JP/BP, QC performed with ATCC® 6305, ATCC® 6305, ATCC® 8793, ATCC®6633				

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	28	Tryptone, 500g/bottle, powder, typical analysis: Typical analysis (% w/w) Total Nitrogen: 13.3 Amino Nitrogen: 3.7 Sodium chloride: 0.4 pH (2% solution): 7.3 ± 0.2				
	29	Tryptose Phosphate Broth, 500g/bottle, Appearance: Dehydrated medium: Straw coloured, free-flowing powder Prepared medium: Light straw coloured solution QC performed with ATCC® 6303, with suggested techniques for growing Streptococcus pneumoniae and Lancefield Group A streptococci				
	30	Urea broth base, 500g/bottle, powder, Appearance: Dehydrated medium: Straw coloured, free-flowing powder Prepared medium: Orange coloured solution QC performed with ATCC® 29906				
	31	XLD Agar, 500g/bottle, powder, Appearance: Dehydrated medium: Straw-pink coloured, free-flowing powder Prepared medium: Red coloured gel QC performed with ATCC® 14028 WDCM 00031 and ATCC® 13076*WDCM 00030				
	32	Yeast Extract Powder, 500g/bottle, Straw, free flowing powder Formal Nitrogen 4.5 – 5.8% Total Nitrogen 10.0 – 12.5% QC performed with ATCC® 25922, ATCC® 9144, ATCC® 29212				
3	1	Blood agar base, powder, 500g/bottle Composition: (g/L) Beef heart peptone 10.000, Tryptose 10.000 Sodium chloride 5.000, Agar 15.000 QC: Reaction of 4.0% w/v aqueous solution at 25°C. pH : 7.3±0.2 Cultural characteristics should be observed with added 5% w/v sterile defibrinated blood, after an incubation at 35-37°C for 18-48 hours.				

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	2	MacConkey Agar, granulated, 500g/bottle Composition: (g/L) Pancreatic digest of gelatin 17.000 Peptones (meat and casein) 3.000 Lactose monohydrate 10.000, Sodium chloride 5.000 Bile salts 1.500, Neutral red 0.030, Crystal violet 0.001 QC: Growth Promotion: carried out in accordance with the harmonized method of ICH (USP/EP/BP/JP). Cultural response should be observed after an incubation at 30-35°C for 18-72 hours.				
	3	Urea Broth, filter-sterizable, powder, 500g/bottle Composition (g/L): Monopotassium phosphate 9.100, Yeast extract 0.100 Dipotassium phosphate 9.500, Urea 20.000, Phenol red 0.010 QC: Appearance: Light yellow to light pink coloured homogeneous free flowing powder Colour and Clarity of prepared medium: Yellow to orange coloured clear solution without any precipitate. Reaction: Reaction of 3.87% w/v aqueous solution at 25°C. pH : 6.8±0.2				
	4	Triple Sugar Iron Agar, granulated, 500g/bottle Composition (g/L): Peptic digest of animal tissue 10.000, Casein enzymic hydrolysate 10.000, Yeast extract 3.000 Beef extract 3.000, Lactose 10.000, Sucrose 10.000 Dextrose 1.000, Sodium chloride 5.000 Ferrous sulphate 0.200, Sodium thiosulphate 0.300 Phenol red 0.024, Agar 12.000 QC: Appearance: Light yellow to pink coloured granular medium Gelling: Firm, comparable with 1.2% Agar gel. Colour and Clarity of prepared medium: Pinkish red coloured clear to slightly opalescent gel forms in tubes as slants. Reaction: Reaction of 6.45% w/v aqueous solution at 25°C. pH : 7.4±0.2 Growth Promotion Test: Should be in accordance with the harmonized method of USP/EP/BP/JP				

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	5	MR-VP Medium (Glucose Phosphate Broth), (Buffered Glucose Broth), Granulated, 500g/bottle Composition: (g/L) Buffered peptone 7.000, Dextrose 5.000 Dipotassium phosphate 5.000 QC: Appearance: Cream to yellow coloured granular medium Colour and Clarity of prepared medium: Light yellow coloured clear solution without any precipitate Cultural Response: Cultural characteristics observed after an incubation at 30-32°C for 18-48 hours				
	6	Nitrate broth, powder, 500g/bottle Composition (g/L): Peptic digest of animal tissue 5.000, Beef extract 3.000 Potassium nitrate 1.000 QC: Appearance: Cream to yellow homogeneous free flowing powder Colour and Clarity of prepared medium: Light amber coloured clear solution in tubes Cultural Response: Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours. Nitrate reduction observed on addition of 0.5ml of sulphaniic acid (R015) and 0.5ml of α-naphthylamine Solution.				
	7	Simmons Citrate Agar, powder, 500g/bottle Composition: (g/L) Magnesium sulphate 0.2, Ammonium dihydrogen phosphate 1.0 Dipotassium phosphate 1.0, Sodium citrate 2.0 Sodium chloride 5.0. Bromothymol blue 0.080 Agar 15.000 QC: Appearance: Cream to yellow homogeneous free flowing powder Colour and Clarity of prepared medium: Forest green coloured slightly opalescent gel forms in tubes as slants Cultural Response: M099: Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours				

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	8	Mannitol Salt Agar, granulated, 500g/bottle Composition: (g/L) Peptic digest of animal tissue 5.0, Pancreatic digest of casein 5.0, Beef extract 1.0, Sodium chloride 75.0 D-Mannitol 10.0, Phenol red 0.025 QC: Growth Promotion Test: Carried out in accordance with the harmonized method of USP/EP/BPJP/IP, after an incubation at 30- 35°C for 18-72 hours.				
	9	Eosin methylene blue agar, granulated, 500g/bottle Composition: Peptic digest of animal tissue 10.0, Dipotassium phosphate 2.0 Lactose 5.000, Sucrose 5.000, Eosin - Y 0.400 Methylene blue 0.065, Agar 13.500 Colour and Clarity of prepared medium: Reddish purple coloured, opalescent gel with greenish cast and finely dispersed precipitate forms in Petri plates Reaction: Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 24 hours				
	10	Brilliant Green Agar, powder, 500g/bottle Composition: (g/L) Peptone 5.000, Tryptone 5.000, Yeast extract 3.000, Lactose 10.000, Sucrose 10.000, Sodium chloride 5.000, Phenol red 0.080, Brilliant green 0.0125, Agar 20.000 QC: Growth Promotion Test: Growth Promotion observed in accordance with USP. Cultural Response: Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours.				

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	11	Xylose Lysine Deoxycholate Agar, granulated, 500g/bottle Yeast extract 3.000, L-Lysine 5.000 Lactose 7.500, Sucrose 7.500 Xylose 3.500, Sodium chloride 5.000 Sodium deoxycholate 2.500, Sodium thiosulphate 6.800 Ferric ammonium citrate 0.800, Phenol red 0.080 Agar 15.000 QC: Colour and Clarity of prepared medium: Red coloured clear to slightly opalescent gel forms in Petri plates Cultural Response: Cultural response was observed after an incubation at 35-37°C for specified time. Recovery rate is considered as 100% for bacteria growth on Soyabean Casein Digest Agar.				
	12	Sulfide indole motility medium (SIMM), granulated, 500g/bottle Composition: (g/L) Beef extract 3.000 Peptic digest of animal tissue 30.000 Peptonized iron 0.200, Sodium thiosulphate 0.025 QC: Gelling: Semisolid, comparable with 0.3% Agar gel. Colour and Clarity of prepared medium: Medium amber coloured slightly opalescent gel forms in tubes as butts Cultural Response: Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours				

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	13	Mueller Hinton Agar, granulated, 500g/bottle Composition: (g/L) Beef, infusion from 300.0, Casein acid hydrolysate 17.5 Starch 1.5, Agar 17.0 QC: Appearance: Cream to yellow coloured granular media Gelling: Firm, comparable with 1.7% agar gel. Colour and Clarity of prepared medium: Light amber coloured clear to slightly opalescent gel forms in Petri plates Reaction: Reaction of 3.8% w/v aqueous solution at 25°C. pH : 7.3±0.1 pH: 7.20-7.40 Cultural Response: Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 24 hours				
	14	Nutrient Gelatine, powder, 500g/bottle Composition: Peptic digest of animal tissue 5.0 Beef extract 3.000, Gelatin 120.0 QC: Colour and Clarity of prepared medium: Light amber coloured clear to slightly opalescent gel forms in tubes as butts Cultural Response: Cultural characteristics observed after an incubation at 35-37°C for 1 to 7 days. (Incubated anaerobically for <i>Cl.perfringens</i>)				
	15	Nutrient Agar, granulated, 500g/bottle Composition: (g/L) Peptic digest of animal tissue 5.000, Sodium chloride 5.000 Beef extract 1.500, Yeast extract 1.500, Agar 15.000 QC: Colour and Clarity of prepared medium: Light yellow coloured clear to slightly opalescent gel forms in Petri plates Reaction: Reaction of 2.8% w/v aqueous solution at 25°C. pH : 7.4±0.2 Cultural Response: Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.				

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	16	Ornithine Decarboxylase Broth, powder, 100g/bottle Composition: L-Ornithine monohydrochloride 5.000 Yeast extract 3.000 Glucose 1.000 Bromo cresol purple 0.015 QC: Colour and Clarity of prepared medium Dark purple coloured clear solution without any precipitae Cultural Response: Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours (Inoculated tubes are overlayed with mineral oil)				
	17	Lysine Decarboxylase Broth, 500g/bottle Composition: g/L Peptic digest of animal tissue 5.000, Yeast extract 3.000 Dextrose 1.000, L-Lysine hydrochloride 5.000 Bromocresol purple 0.020 QC: Appearance: Light yellow to greenish yellow homogeneous free flowing powder Colour and Clarity of prepared medium: Purple coloured clear solution without any precipitate Reaction: Reaction of 1.4% w/v aqueous solution at 25°C. pH : 6.8±0.2 Cultural Response: Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.(Inoculated tubes overlayed with sterile mineral oil).				

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	18	Hugh and Leifson Medium (OF Test Broth for Microbiology), powder, 500g/bottle Composition: g/L Peptic digest of animal tissue 2.0, Sodium chloride 5.0 Dipotassium phosphate 0.3, Glucose 10.0 Bromothymol blue 0.05, Agar 2.000 QC: Appearance: Light yellow to bluish green homogeneous free flowing powder Colour and Clarity of prepared medium Greenish blue coloured, clear to slightly opalescent gel forms in tubes as butts Cultural Response: Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours				
	19	Kovac's reagent for indoles, 100ml/bottle QC: Cultural Response Characteristic reaction: observed when Kovac's Indole Reagent is added to growth in Tryptone Broth (M463) Tested with ATCC 13048 and ATCC 25922				
	20	Barritt's Reagent A/bottle, for microbiology, for VP Test, absolute ethanol, 100 mL + α -naphthol (1-naphthol), 5.0 g Tested with ATCC 13048, ATCC 25922 and ATCC 13883				
	21	Barritt's Reagent B/bottle, for microbiology, for VP Test, distilled water, 100 mL + potassium hydroxide, 40 g, Tested with ATCC 13048, ATCC 25922, and ATCC 13883				
	22	Methyl Red Solution, for microbial phenotypic identification, 125ml/bottle Composition: Methyl red: 0.200 gm Ethyl alcohol: 60.000 ml Distilled water: 40.000 ml Tested with ATCC 13883, ATCC 13048, and ATCC 25922				
	23	Bacitracin, from Bacillus licheniformis, $\geq 50,000$ U/g, 1g/bottle				
	24	Potassium tellurite, $\geq 90\%$, 25g/bottle				
	25	Hydrogen Peroxide 3%, 500ml bottle				
	26	Sodium Chloride (NaCl), 500g, Assay: $\geq 98\%$ /bottle				

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	27	Oxidase Disc,50pcs/cartridge				
	28	Litmus Milk Powder, for microbiology, composition: litmus, 0.5 g/L, skim milk powder, 100 g/L, sodium sulfite, 0.5 g/L, 500g/bottle				
	29	Gram Staining Kit minimum 125 mL bottle each of Gram Crystal Violet, Gram Iodine (Stabilized), and Gram Safranin, 2x 125ml bottle of Gram decolorizer (PER KIT)				
	30	D-(+)-Glucose, ACS reagent, powder, 25g/bottle				
	31	D-Lactose monohydrate, ACS reagent, powder, 100g/bottle				
	32	Sucrose, reagent grade, 99%, powder, 500g/bottle				
	33	D-(+)-Maltose monohydrate, ≥99%, powder, 100g/bottle				
	34	D-Mannitol, ≥98%, powder, 100g/bottle				
	35	Esculin hydrate, ≥98%, powder, 25g/bottle				
	36	D-(+)-Trehalose dihydrate, from starch, ≥99%, powder, 25g/bottle				
	37	D-Sorbitol, 99%, powder, 5g/bottle				
	38	D-(–)-Salicin, ≥99% (GC), powder, 5g/bottle				
	39	D-(+)-Xylose, ≥99%, powder, 25g/bottle				
	40	Copper(II) sulfate, ≥99%, powder, 100g/bottle				
	41	Crystal Violet, ≥90.0% anhydrous basis, powder, 50g/bottle				
	42	Tris (hydroxymethyl amino methane), powder, 1kg/bottle, >98.99% assay				
	43	Anaerobic Box (Transparent Polycarbonate), airtight, for growing anaerobic microorganisms, 2.5L PER UNIT				

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	44	Agar, for microbiology, 500g/bottle Gelling temperature: 38-40°C Melting range: ≥85°C Water (KF): ≤20% Calcium: ≤ 0.1% Heavy metals (as Pb): ≤ 0.004% QC: Tested with: ATCC 25922, ATCC 27853, ATCC 25923 ATCC 6539, ATCC 19615				
	45	Oxidase Strips, 100 pcs/box				
4	1	Tris-buffered saline, tablet (50tab/bot), One tablet dissolved in 15 mL of deionized water yields 0.05 M Tris and 0.15 M sodium chloride, pH 7.6, at 25 °C				
	2	Tris-buffered saline in 0.05% Tween 20 (polyoxyethylenesorbitan monolaurate) (TBS-T, pH 7.5), pouch, reconstitutes to 1L				
	3	Casein Blocking Buffer 10x for Northern and Southern blotting, solution, 500ml/bottle				
	4	Goat-Anti- Rabbit IgG conjugated to Alkaline Phosphatase, 1 ml/vial, blotting-grade alkaline phosphatase secondary antibody conjugate				
	5	BCIP/NBT-Blue Liquid Substrate System for Membranes, alkaline phosphatase substrate, 100ml/bottle				
	6	Biotinylated Molecular Weight marker (6.5k-180kDa). 1 vial sufficient for 200 applications (on 10 cm x 10 cm mini gels)				
	7	Phenylmethyl sulfonyl fluoride (5g / BOTTLE). ≥98.5% (GC)				
	8	N-tosyl phenylalanine chloromethyl ketone powder, 250mg/vial				
	9	Trypsin, N-tosyl-L-phenylalanine chloromethyl ketone (TPCK)-Treated, 8 vials, with 25 µg in each vial.				
	10	1% N-octyl glucopyranoside solution. ≥98% (HPLC), 50 % (w/v) in H2O, 5ml/bottle				
	11	RPMI-1640 modified culture media (1L)- Modified, with 20 mM HEPES and L-glutamine, without sodium bicarbonate, liquid, sterile-filtered, suitable for cell culture, 500ml/bottle				
	12	RPMI-1640 culture media (1L)- With L-glutamine and sodium bicarbonate, liquid, sterile-filtered, suitable for cell culture, 500ml/bottle				
	13	Precast Gels (TruPAGE-type)12% polyacrylamide, 10 x 10cm, gel thickness -1 mm, 12-well (10ae/box)-				

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	14	TEA-Tricine SDS Running Buffer 20x (TruPAGE-type), 500ml/bottle				
	15	Nitrocellulose mem. for blotting, pore 0.2µm, 15x15cm (5ae/box)				
	16	Brilliant blue R-250 stain, 25g/bottle				
	17	Freund's Adjuvant, Complete, Sigma, 6x10ml PER BOX				
	18	Bradford Reagent for 0.1-1.4 mg/ml protein, 500ml/bottle				
	19	Gentamicin sulfate salt powder, Bioreagent, suitable for cell culture (1g), ~600 µg Gentamicin per mg/bottle				
	20	Penicillin G sodium salt powder, Bioreagent, suitable for cell culture (25MU), ≥1477 units per mg/bottle				
	21	Streptomycin sulfate salt powder, BioReagent, suitable for cell culture, ≥720 I.U. per mg (dried basis), 25g/bottle				
	22	AMV Reverse Transcriptase, 200 units, 10,000 units/ml, with 10x AMV Reverse Transcriptase Reaction Buffer/bottle				
	23	SYBR green I nucleic acid gel stain, 10,000 × in DMSO 0.5ml/vial				
	24	Clear glass vials (closure type screw top vial) with rubber lined caps (black phenolic solid top cap), with white marking area, volume: 4 mL, thread 13-425, pack of 144				
	25	Cryogenic boxes w/ dividers, plastic, 10x10, transparent, for 1.5/2.0mL tubes, 100 wells, natural color, w/ hinge and snap clasp, autoclavable				
	26	Cryogenic boxes w/ dividers, plastic, 9x9, transparent, for 1.5/1.8mL tubes				
	27	L-(+)-Arabinose, 98%, 25g/bottle				
	28	Dextrose, meets EP, BP, JP, USP testing specifications, anhydrous, 250g/bottle				
	29	D-(+)-Galactose, ≥98%, 100g/bottle				
	30	D-(+)-Glucose, ACS reagent, Impurities: ≤0.002 meq/g Titratable acid ≤0.005% Insoluble matter 500g/bottle				

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	31	myo-Inositol, for microbiology, ≥99.0%, 100g/bottle				
	32	D-Lactose monohydrate, ACS reagent, impurities: ≤0.005% insolubles 4.0-6.0% water 25g/bottle				
	33	D-Mannitol, ACS reagent, impurities: ≤0.0008 meq/g Titratable acid ≤0.01% Insoluble matter 250g/bottle				
	34	D-Ornithine monohydrochloride, ~98%, 1g/bottle				
	35	D-(+)-Mannose, synthetic, ≥99%, 25g/bottle				
	36	D-(+)-Raffinose pentahydrate, for microbiology, ≥99.0%, 25g/bottle				
	37	L-Rhamnose monohydrate, for microbiology, ≥99.0%, 10g/bottle				
	38	D-(+)-Trehalose dihydrate, for microbiology, ≥99.0%, 50g/bottle				
	39	Esculin hydrate, ≥98%, 5g/bottle				
	40	Nitrate broth, powder, 500g/bottle, contains meat extract, 3 g/L, peptone, 5 g/L, potassium nitrate, 1 g/L. final pH of 7.0±0.2 (25 °C)				
	41	Noble Agar, 250g/bottle, powder, purified from bacteriological agar, Residue on ignition (Ash) < 2 % , Loss on Drying < 20 %				
	42	OF Test Nutrient Agar, for microbiology, 500g/bottle, powder, contains agar: 2.5 g/L, bromothymol blue: 0.08 g/L, casein peptone (pancreatic): 2 g/L, dipotassium hydrogen phosphate: 0.3 g/L, sodium chloride: 5 g/L				
	43	Sabouraud 4% Glucose Agar, 500g/bottle, powder, final pH:5.6±0.2 (25 °C) Contains: agar: 15 g/L D(+)-glucose: 40 g/L peptone: 10 g/L				

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	44	Salmonella Shigella Agar, 500g/bottle, powder, contains: agar: 15.0 g/L brilliant green: 0.0003 g/L ferric citrate: 1.0 g/L lactose: 10.0 g/L meat extract: 5.0 g/L neutral red: 0.025 g/L ox bile: dehydrated, 8.5 g/L peptone: 5.0 g/L sodium citrate: 10.0 g/L sodium thiosulfate: 8.5 g/L final pH: 7.0±0.2 (25 °C)				
	45	Barritt's Reagent A, for microbiology, for VP Test, absolute ethanol, 100 mL + α-naphthol (1-naphthol), 5.0 g/bottle				
	46	Barritt's Reagent B, for microbiology, for VP Test, distilled water, 100 mL + potassium hydroxide, 40 g/bottle				
	47	Acrylamide, powder, 100g/bottle, suitable for electrophoresis, ≥99%				
	48	N,N'-Methylenebis(acrylamide), powder, 100g/bottle, suitable for electrophoresis, 99%				
	49	Ammonium persulfate, 25g/bottle, powder, for molecular biology, for electrophoresis, ≥98%				
	50	N,N,N',N'-tetraethylmethylenediamine, 25ml/bottle, suitable for gel electrophoresis				
	51	Brilliant Green, Dye content ~90 %, 100g powder/bottle				
	52	Creatine, anhydrous, 50g/bottle				
	53	Crystal Violet, ACS reagent, ≥90.0% anhydrous basis, 50g/bottle, powder				
	54	Potassium phosphate monobasic, KH ₂ PO ₄ , for molecular biology, ≥98.0%, 500g, powder/bottle				
	55	Potassium phosphate dibasic, K ₂ HPO ₄ , reagent grade, ≥98.0%, 500g/bottle, powder				
	56	Basic Fuchsin, special for flagella, certified by the Biological Stain Commission, 5g/bottle powder				
	57	Glycerol, for molecular biology, ≥99%, 100ml/bottle				
	58	Acetonitrile, anhydrous, 99.8%, 1L/bottle				

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	59	Methanol,HPLC-grade, ≥99.9% assay, at least 1L/bottle				
	60	Sodium hydroxide, reagent grade, ≥98%, 500g/bottle pellets				
	61	Aluminum oxide, activated, neutral, Brockmann I, free-flowing, powder, 500g/bottle, suitable for column chromatography and adsorptive filtration.				
	62	Malachite Green (crystalline, oxalate form), for microscopy, 50g/bottle				
	63	Methylene blue, powder, Dye content ≥82%, 25g /bottle powder				
	64	Nigrosin Stain solution, for microscopy. 100ml/bottle Composition: Nigrosin 100 g/l, Formalin 5 ml/l in water				
	65	Liquified Phenol, meets USP testing specifications, ≥89.0% (up to 10% impurities in water), 100ml/bottle				
	66	Potassium phosphate monobasic, ACS reagent, ≥99.0%, powder, 500g/bottle				
	67	Potassium hydroxide, ≥85% KOH basis, pellets, white, 250g/bottle				
	68	Potassium iodide, ACS reagent, ≥99.0% (100g PER BOTTLE)				
	69	Resazurin sodium salt, certified by the Biological Stain Commission, Dye content: 75%, 1g/bottle				
	70	Gram's safranin solution, for microscopy, 250ml/bottle				
	71	Sodium chloride, ≥99% purity, powder, 500g/bottle				
	72	Sodium citrate monobasic, anhydrous, ≥99.0% , 250g/bottle, powder				
	73	Sodium phosphate monobasic monohydrate, ACS reagent, ≥98%, 250g/bottle powder				
	74	Trypan Blue, powder, suitable for cell culture, 5g/bottle				
	75	Denatured Ethanol (technical grade), 16L carboy				
	76	Petroleum Ether (technical grade), 0.5-1L/bottle				

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	77	Litmus Milk, for microbiology, per bottle composition: litmus: 0.5 g/L skim milk powder: 100 g/L sodium sulfite: 0.5 g/L				
	78	Sterile wooden applicator (packed individually/in pairs), 100 pcs PER BOX				
	79	pH calibrator (buffer solution: 7 pH), 500ml/bottle				
	80	Acetone, technical grade, 500ml/bottle				
	81	Copper(II) sulfate pentahydrate, ACS reagent, ≥98.0%, granules/powder, 100g/bottle				
	82	Trichrome Stain (Masson) Kit (250ml per component)				
	83	Schiff's reagent for aldehydes, for microscopy, 250ml/bottle				
	84	Periodic acid, ≥99.0%, 25g /bottle				
	85	Silver nitrate, ACS reagent, ≥99.0%, 25g/bottle				
	86	Toluidine Blue, for microscopy, 5g/bottle				
	87	Protein stain, ready-to-use Brilliant Blue G-250 based protein stain, 500ml/bottle				
	88	Alcian Blue 8GX, for microscopy, 5g/bottle				
	89	Metanil Yellow, for microscopy (Hist.), indicator (pH 1.2-2.3), 25g/bottle				
	90	Carmine, certified by the Biological Stain Commission, 25g /bottle				
	91	Weigert's solution, for microscopy, 250ml/bottle				
	92	Congo Red, certified by the Biological Stain Commission, 25g/bottle				
	93	Sodium acetate buffer solution, pH 5.2±0.1 (25 °C), for molecular biology, 3 M, non-sterile; 0.2 µm filtered, 500ml/bottle				
	94	Iron(III) chloride, reagent grade, 97%, 100g/bottle				

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	95	Tris-EDTA buffer solution, for molecular biology, pH 8.0±0.1 (25 °C), DNase, RNase, protease, phosphatase-free, 500ml/bottle				
5	1	Trichinella spp. Antibody Enzyme-linked Immunosorbent Assay kit (5-strip plate kit: 450 tests). For the detection of antibodies against Trichinella (E/S Antigen) in serum and meat juice samples of pigs. No cross-reactivity with pig parasites such as Ascaris, Trichuris, Hyostrongylus, or Strongyloides PER KIT				
	2	One-Step Reverse Transcription PCR Kit (at least 100 reactions x 50µl). Tfi DNA Polymerase, dNTPs, magnesium sulfate and reaction buffer in master mix. Can amplify zeptomoles (10–21mol) levels of RNA, 100x50microliter reactions. With Master Mix 1 x 500u, Nuclease Free Water 2 x 1,250µl				
	3	U-bottom 96-well plate, rigid or flexible, clear, non-sterile, pack of 25				
	4	Freezer Spray for for Cryostat Microtome (100% 1,1,1,2-Tetrafluoroethane) Facilitates rapid freezing and consistency w/ attachable capillary nozzle 6 cans per box (236ml per can)				
	5	Gel agarose (molecular biology grade or equivalent, 500g)/bottle				
	6	Ethylene Diamine Tetraacetic Acid (EDTA)(disodium salt), powder form, 500g/bottle, >98.99% assay				
	7	Sterile Nuclease-Free Water (at least 150ml) /bottle				
	8	Tris-EDTA buffer solution, for molecular biology, pH 8.0±0.1 (25 °C), DNase, RNase, protease, phosphatase-free, 500ml/bottle				
	9	Tris-acetate-EDTA (TAE) buffer 10x, 1000 ml, for molecular biology (or equivalent concentrate)/bottle				
	10	Genomic DNA extraction kit for blood, 100 preps Isolation from up to 200µl of blood For isolation of DNA from white blood cells, tissue culture cells and animal tissue, plant tissue, yeast, Gram-positive and Gram-negative bacteria No ethanol required in purification Includes minimum of 1.1ml Proteinase K Solution and 50ml Nuclease-Free Water				

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	11	Polymerase Chain Reaction Master Mix, 100 x 50 µl reactions Includes at least 2.5ml Nuclease-free water 2 x 1,250µl Master Mix (2x) with 400µM dATP, 400µM dGTP, 400µM dCTP, 400µM dTTP and 3mM MgCl2 Contains full-length form of Taq DNA polymerase that exhibits 5'→3' exonuclease activity				
	12	Polymerase Chain Reaction Master Mix master mix w/ loading dye, 100 x 50 µl reactions Includes at least 2.5ml Nuclease-free water 2 x 1,250µl Master Mix (2x) with 400µM dATP, 400µM dGTP, 400µM dCTP, 400µM dTTP and 3mM MgCl2 Contains full-length form of Taq DNA polymerase that exhibits 5'→3' exonuclease activity				
	13	Spray-on alkali-hydroxide-based ribonuclease decontaminant (ready-for-use), removes RNA and RNase contamination from plastic, stainless steel and glass surface. 250ml bottle or spray bottle				
	14	Centrifuge tube, polypropylene (15 ml), conical, Sterilized by gamma irradiation, nonpyrogenic, stable from -4° to +60°C (24.8° to 140°F) Can withstand centrifugal forces to 12,000 x g RCF. 500pcs/pk.				
	15	Centrifuge tube, polypropylene (50 ml), conical, Irradiated for sterility, Stable from -80°C to +121°C (-112°F to +250°F) Can withstand centrifugal forces to 16,000 x g RCF. 500pcs/pk				
	16	Microcentrifuge tube, 1.5 ml, 500pcs/pk, non-sterile, autoclavable, DNase/RNase free				
	17	Sampling bags, sterile, polyethylene, 3.75 x 7", 7 oz capacity, 500pcs/pk, whirlpack sealable type				
	18	Thin Walled Polymerase Chain Reaction Tubes, non-sterile, Nonpyrogenic, 1000 pcs PER PACK, 0.2ml, DNase/RNase free, Manufactured with 99.9% pure virgin polypropylene, (flat cap)				
	19	0.2ml 12 Strips Polymerase Chain Reaction Tube w/ cap, at least 125 pcs/pack, round cap				
	20	White pipette tips w/ filter (0.5-10 µl), Polypropylene material, universal fit, sterile, Certified DNase/RNase free and non-pyrogenic, 96 tips/rack, 10 racks, rack compatible with Axygen pipette tips				
	21	Yellow pipette tips w/ filter (10-100 or 200 µl), Polypropylene material, universal fit, sterile, Certified DNase/RNase free and non-pyrogenic, 96 tips/rack, 10 racks, rack compatible with Axygen pipette tips				

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	22	Blue pipette tips w/ filter (100-1000 or 1250 µl), Polypropylene material, universal fit, sterile, Certified DNase/RNase free and non-pyrogenic, 100 tips/rack, at least 10 racks, rack compatible with Axygen pipette tips				
	23	White pipette tips w/ filter (0.5-10 µl), universal fit Polypropylene material, autoclavable, Certified DNase/RNase free and non-pyrogenic, 1000's PER PACK, compatible with Axygen pipette tip racks				
	24	Yellow pipette tips w/ filter (10-100 or 200 µl), universal fit Polypropylene material, autoclavable, Certified DNase/RNase free and non-pyrogenic, 1000's PER PACK, compatible with Axygen pipette tip racks				
	25	Blue pipette tips w/ filter (100-1000 or 1250 µl), universal fit Polypropylene material, autoclavable, Certified DNase/RNase free and non-pyrogenic, 1000's PER PACK, compatible with Axygen pipette tip racks				
	26	White pipette tips in racks (0.5-10 µl), Polypropylene material, universal fit, autoclavable, Certified DNase/RNase free and non-pyrogenic, 96 tips/rack, 10 racks, rack compatible with Axygen pipette tips				
	27	Yellow pipette tips in racks (10-100 or 200 µl), Polypropylene material, universal fit, autoclavable, Certified DNase/RNase free and non-pyrogenic, 96 tips/rack, 10 racks, rack compatible with Axygen pipette tips				
	28	Blue pipette tips in racks (100-1000 or 1250 µl), Polypropylene material, universal fit, autoclavable, Certified DNase/RNase free and non-pyrogenic, 100 tips/rack, 10 racks, rack compatible with Axygen pipette tips				
	29	0.5-10/20 µl pipette tips (per pack), Polypropylene material, autoclavable, certified DNase/RNase free and non-pyrogenic, 1000's, universal fit, compatible with Axygen pipette tip racks				
	30	10-100/200 µl pipette tips (per pack), Polypropylene material, autoclavable, certified DNase/RNase free and non-pyrogenic, 1000's, universal fit, compatible with Axygen pipette tip racks				
	31	100-1000 or 1250 µl pipette tips (per pack), Polypropylene material, autoclavable, certified DNase/RNase free and non-pyrogenic, 1000's, universal fit, compatible with Axygen pipette tip racks				
	32	DNA Ladder 50bp, 50 µg, with loading dye/vial				
	33	DNA Ladder 100bp, for at least 50 lanes, with loading dye/vial				

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	34	DNA Ladder 1000bp, for at least 100 lanes, with loading dye/vial				
	35	Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume/vial				
	36	Fluorescent Nucleic Acid Dye (non-Ethidium Bromide), at least 10000x conc. At least 0.5ml/vial				
6	1	Porcine reproductive and respiratory syndrome virus (PRRSV) antibody Enzyme-linked Immunosorbent Assay test kit, 5x96 tests, inclusive of 1 year free technical support and compatible PC program for Thermo Multiskan Go for analysis of results				
	2	Porcine Circovirus 2 (PCV2 Enzyme-linked Immunosorbent Assay kit), at least 192 tests/wells per kit				
	3	Hog Cholera/Classical Swine Fever Virus Antibody test kit (Enzyme-linked Immunosorbent Assay) 5/Strip x 96, , inclusive of 1 year free technical support, and compatible PC program for Thermo Multiskan Go for analysis of results				
	4	Mycoplasma hyopneumoniae antibody test kit (Enzyme-linked Immunosorbent Assay), 5/Strip x 96, inclusive of 1 year free technical support and and compatible PC program for Thermo Multiskan Go for analysis of results				
7	1	Viral RNA extraction kit (250 reactions) Spin-column based, vacuum protocol compatible For cell-free body fluids Sample amount: Kit optimized for 140-280 µl Yield: >90% recovery Compatible with microspin and vacuum technology Does not require external addition of B-mercaptoethanol in protocol Does not require use of use of phenol/chloroform extraction or alcohol precipitation Fully automatable in robotic systems				
8	1	Custom PCR Oligonucleotide Primers (lyophilized), 100 nmol minimum synthesis, desalted, 350 pairs (25bp per single primer) PER LOT				
9	1	Penicillin G, 10U, 50 discs/cart				
	2	Streptomycin 10µg, 50 discs/cart				
	3	Gentamycin 10µg, 50 discs/cart				

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LOT #	ITEM #	REQUIRED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
	4	Kanamycin sulfate 30µg, 50 discs/cart				
	5	Clindamycin 2µg, 50 discs/cart				
	6	Cefaclor 30µg, 50 discs/cart				
	7	Cefalexin 30 µg, 50 discs/cart				
	8	Chloramphenicol 30µg, 50 discs/cart				
	9	Ciprofloxacin 5µg, 50 discs/cart				
	10	Doxycycline 30µg, 50 discs/cart				
	11	Erythromycin 15 µg, 50 discs/cart				
	12	Lincomycin 2 µg, 50 discs/cart				
	13	Neomycin 30 µg, 50 discs/cart				
	14	Nitrofurantoin 50µg, 50 discs/cart				
	15	Nofloxacin 10µg, 50 discs/cart				
	16	Novobiocin 5µg, 50 discs/cart				
	17	Sulbactam + Ampicillin 10+10 µg, 50 discs/cart				
	18	Tetracyclin 30µg, 50 discs/cart				
	19	Trimetophrim Sulfa 2.5µg, 50 discs/cart				
	20	Colistin 10µg, 50 discs/cart				
	21	Amoxicillin+Clavunalic 20+10µg, 50 discs/cart				
	22	Amoxicillin 10µg, 50 discs/cart				
	23	Ampicillin 10µg, 50 discs/cart				

TECHNICAL SPECIFICATION FOR THE PUBLIC BIDDING OF:

DATE OF PRE-BID CONFERENCE:

DEADLINE OF SUBMISSION OF BIDS:

OPENING OF BIDS:

UPLB-S-068-9-17, SUPPLY AND DELIVERY OF LABORATORY SUPPLIES

Wednesday, 6 September 2017 1:45 PM

Wednesday, 20 September 2017 UNTIL 1:00 PM

Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REQUIRED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
	24	Vancomycin 5µg, 50 discs/cart				
	25	Bacitracin 10U, 50 discs/cart				
	26	Cloxacillin 5µg, 50 discs/cart				
	27	Polymyxin B, 50 units, 50 discs/cart				
	28	Amikacin, 30µg, 50 discs/cart				
	29	Polymyxin B, 300U, 50 discs/cart				
	30	Neomycin, 10µg, 50 discs/cart				
	31	Oxytetracycline, 30µg, 50 discs/cart				
	32	Enrofloxacin, 5µg, 50 discs/cart				
	33	Marbofloxacin, 5µg, 50 discs/cart				
	34	Ceftiofur, 30µg, 50 discs/cart				
	35	Tylosin, 30µg, 50 discs/cart				
	36	Cefuroxime, 5µg, 50 discs/cart				
		ALL KITS AND REAGENTS MUST BE 1 YEAR EXPIRATION				

Note: Please fill-up applicable columns.

Signature of Representative: _____

Name of Representative: _____

Position: _____

Company: _____

Address: _____

Telephone/ Fax: _____

Email: _____

End-user:

Signature over Printed Name