For Official Use Only

TENDER FORM FOR SUPPLY OF SCIENTIFIC/LABORATORY INSTRUMENTS & ILLUMINA KITS-REAGENTS AT DIFFERENT COLLEGES / UNITS / RESEARCH STATIONS / DEPARTMENTS OF ANAND AGRICULTURAL UNIVERSITY, ANAND

Last date for online commercial bid submission 26-03-2018 before 4:00 pm

Last date for physical submission of technical bid 26-03-2018 before 4:00 pm

Date of Tender Opening (Technical Bid): 26-03-2018



DEPARTMENT OF AGRICULTURAL BIOTECHNOLOGY

ANAND AGRICULTURAL UNIVERSITY ANAND – 388 110 (GUJARAT)F PHONE: 02692 261134 E-MAIL: biotech.aau@gmail.com

- > Name of vendor / supplier / firm:
- > Complete Postal address :
- > Telephone Number :
- > Fax Number :
- > E-mail address :
- > Details of the Tender Fee :
 - o DD number :
 - Amount :
 - o Date :

> Details of EMD:

- o DD number:
- o Amount:
- o Date:
- Sales Tax No.:
- > Registration No.:
- > Any other details:

We agree to abide by the terms and conditions of supply mentioned in this tender document.

Signature of Tenderer (with stamp, Name & Designation) On behalf of The Director of Research, Anand Agricultural University, Anand, The Unit Officer, Department of Agricultural Biotechnology, AAU, Anand invite tender from Manufacturer or Authorized Distributor/Dealer through e-procurement portal for the purchase of following Scientific/Laboratory Instruments-Equipment and Illumina Kits-Reagents with given specifications, terms and conditions.

Sr.	Name of the		Snecif	fications	EMD (in Rs.
No.	Instrument		Opeon		Lakh)
-	PART-I: SCIEN	TIFIC	LABORATORY INSTR	UMENTS - EQUIPMENT	,
			Synecology, College of V		
1.	Small Volume		 		0.28
	Spectrophotometer	Sr. No.		hnical Specifications	0.20
		1	Sensitivity	2 ng/µL (dsDNA)	
		2	Uniformity	< 5% CV	
		3	16-well slide	Compatible with 8 or 16 channel pipettors	
		4	Detection modes	Absorbance	
		5	Applications	DNA, RNA, Protein, ELISA and other spectrophotometric applications	
		6	Read methods	Endpoint, kinetic spectral & kinetic spectrum	
		7	Microplate types	96 to 384 well plates	
		8	Minimum Volume capacity	2 micro liter (Must)	
		9	Cuvette	Capable of analysis using cuvette	
		10	Temperature control	Incubation to 40°C with Condensation Control + 0.2°C at 37°C	
		11	Software	Data Analysis Software	
			Absorbance		
		12	Light source	Xenon flash	
		13	Detector	Photodiode	
		14	Wavelength selection	Monochromator	
		15	Wavelength range	200 - 999 nm, selectable in 1 nm increments	
		16	Monochromator bandwidth	< 2.5 nm	
		17	Dynamic read out range	0 - 3.0 linear OD	
		18	Resolution	0.001 OD	
		19	Monochromator wavelength accuracy	<u>+</u> 2 nm (1%)	
		20	Monochromator wavelength repeatability	<u>+</u> 0.2 nm	
		21	OD accuracy	0 to 2.0 OD <u>+</u> 1% <u>+</u> 0.010 2.0 to 2.5 OD <u>+</u> 3% <u>+</u> 0.010	
		22	OD linearity	0 to 2.0 OD <u>+</u> 1% <u>+</u> 0.010 2.0 to 2.5 OD <u>+</u> 3% <u>+</u> 0.010	
		23	OD repeatability	0 to 2.0 OD <u>+</u> 1% <u>+</u> 0.005 2.0 to 2.5 OD + 3% + 0.005	
		24	Stray light	0.03% at 230 nm	
			ical properties		
		25	Power	220-240 Volts AC. 50/60 Hz	
		26	Shaking	Linear	
		System	n quoted should meet above	mentioned technical specifications.	

	B. College of Food Processing Technology & Bio-Energy, AAU, Anand.				
2	B. College of F Packaging system for filling, capping and labeling of fruit juices	It should consist of following and quote a single rate for all A) to C) the set of equipment A) Four Head Volumetric Filling Machine- 01 No. Automatic volumetric liquid bottle filling machine suitable for filling of different fruit juices and beverages ranging from 100 ml to 1000 ml. It should work on volumetric principle with diving nozzles. The unit should be compact, versatile and enclosed in stainless steel elegantly matt finish body, with S.S. slat conveyor, reciprocating nozzle with self-centering devices and S.S. syringe. The capacity of the machine should be around 20 bottles per minute. The speed of the machine and conveyor can be synchronized with variable A/C frequency drive. The machine should have a filling accuracy of $\pm 1\%$ in single dose. There should be appropriate drain tray around the machine platform, pneumatic bottle stopping arrangement, and no bottle no filling system. A set of 500 bottles each for different sizes (200 ml, 500 ml and 1000 ml) along with caps should be provided for demonstration and testing of the machine.	0.45		
		B) Single head Screw Capping Machine -01 No. Automatic screw capping machine, self-supported on stainless steel leg with adjustable height system. The machine should be precision built on sturdy welded MS frame completely enclose in stainless steel sheet and doors should be provided to facilitate the servicing of machine. It should be suitable for bottle diameter ranging from 25 to 90 mm. All moving parts should be guarded/enclosed and speed variation can be provided with suitable AC drive. It should have star wheel rotation Geneva system and vibratory cap feeder system. It should have capacity of 1000 to 1500 bottles per hour.			
		C) Automatic sticker labelling machine01 No. Automatic vertical sticker labeling machine should be able to full/partial wrap around labeling on different size of round containers. It should be equipped with roller spacing device resulting in a simple operation with "No change parts required". At the labeling point, an electronics product sensor should sense container & releases a label from self-adhesive label roll. The sensed round container should moves on conveyor and picks the released label and the labeled container should moves further through a rubber pressing belt & stationary rubber pad which ensures neat & perfect fixing of label. A roll of adhesive label should be provided for demonstration			
		The system should be complete in all respect with all accessories, fittings and inclusive of installation, testing and commissioning with training.			
3	Skid Mounted Pasteurizer with Homogenizer	The capacity for skid mounted pasteurizer with homogenizer (A plus B) must be 100-150 Litre per hour (LPH). Skid mounted unit must consist of following units Milk Pasteurizer: Plate pack (PHE) – The supporting frame for the plate heat exchanger must be self-supporting design made up with durable good quality materials. The frame, pressure and interconnecting plates may be made of S.S. cladded with S.S. 304 sheet and will of multi bolt tightening design. The pasteurizer must have four sections i.e. heating, regeneration II, Regeneration I and chilling. P.H.E. plates of S.S. 304 quality with holding section as in S.S.	0.25		

		tube of SS 304 material. The milk pasteurizer must be supplied with flow diversion valve of rated capacity with the provision of pipeline to divert the unpasteurized milk to raw milk balance tank. Balance Tank – Should be of Capacity 200 Litres. The cylindrical designed tank may be fabricated from 2 mm thick S.S. 304 quality material. The tank may be of welded construction. All the welds must be ground smooth and shall be subject to DP test and all S.S. surfaces must be polished to sanitary standards. All the corners must be well radiuses. The tank must be complete with following attachment— i) 3 Nos. legs fitted with S.S. ball feet capable of vertical adjustment. ii) 1 No. S.S. milk nutlet. S.S. pipes and fittings – One lot of SS pipes and fittings of 25 mm with 3-way valve, flow regulating valve to interconnect balance tank, pump and P.H.E, hot water flow, chilled water flow to PHE and which is necessary for operation of pasteurizer. Electrical Hot Water Generator – Hot water generator suitable for 100 Litres capacity Pasteurizer. With required hot water pump and pipes and fitting must be provided. Electrical Hot Water Generator 6 KW with Hot Water Tank Cap - 20 Litres and 1/2 HP Hot Water Pump. Cooling unit – Must be suitable to cool milk from 350 – 40C (with refrigeration unit having 1.5 T capacity plant) provided with suitable sealed compressor, air flow condensing unit and refrigeration controls and valves, expansion valve the suitable length of copper coil 5/8' is fitted in the tank which is insulated and covered from top with M.S. piping and valve strainer must be provided with tank. Skid Mounted SS Control Panel for manual operation - The panel must consist of temperature indicator, temperature indicator cum controller, buzzer, push button starter etc. and other required indictors and controllers required to run complete plant. All the motors/pump necessary for skid mounted pasteurizer with homogenizer must be of three phase type with high energy efficient rating and standard company make. Homogenizer	
		oiling mechanism necessary to run the homogenizer.	
4	Pulper and Finisher (Multi fruit Juicing System)	The compact juicer should be completely made up of stainless steel and work on whole fruit extraction principle, able to juice various type of citrus fruits (grape fruit, orange, lemon, lime, pomegranate etc.) in continuous manner and should have following features: Throughput: 20 fruits per minute Fruit hopper capacity: above 15 kg Processing speed: at least 75 litre/h Reservoir capacity: above 10 litre Power: 220 V/ 50 Hz Waste container: above 15 kg The juicing system should be completely enclosed with safety interlock switches etc. The system should be complete with different strainer tubes for various fruits to vary pulp level, mobile cart with dispenser shelf, standard hopper etc.	0.05

5	Ultrasonic washer	The quote rate should include total cost of A+B+C . It should	0.25
Ū		consist of following three major systems	0120
		A) Ultrasonic cleaner	
		It should be able to clean fruits and vegetables and should have	
		following features	
		Capacity: upto 90 litre	
		• Frequency: 33 K Hz ± 3 KHz	
		• Digital Timer: 0 – 90 minutes	
		 Digital Temperature Controller: up to 60 °C 	
		Material of construction S.S 304	
		The micro controller base digital timer with MOSFET, automatic	
		frequency tuning for maximum output and low transducer losses,	
		modular generator for easier servicing and rugged and easy to	
		clean stainless steel housing of SS 304.	
		Float Switch protection: Ultrasonic Cleaner will start when tank	
		solution will fill up to the marking level. This is for protection of	
		crystals.	
		IQ – OQ – PQ Document and Installation with Aluminium Test	
		B) Circulating water bath	
		It should have following features	
		• S immersion circulator bath with working temperature range	
		of 5 °C to 150°C (should be provided with chilling system)	
		Digital display for temperature and pump speed in the form of	
		• rpm.	
		 Double walled SS bath with 10 L and above. 	
		Flat cover and built in cooling coil for temperature control	
		beyond ambient temperature.	
		Device should have separate working PT 100 and safety PT	
		1000	
		• Pressure and suction vario pump with adjustable speed for	
		flow rate control.	
		Flow rate should be 18 L/min or more.	
		C) Ozonation system	
		The system should be able to generate ozone to treat fresh fruits	
		and vegetables. Other specifications include:	
		Feed Gas : Pure Dry Oxygen	
		MOC of Ozone Cell : SS 316	
		Process: Corona discharge	
		Ozone production rate: 20 g per hour	
		It should be complete with all accessories including oxygen gas	
		sensor, oxygen concentrators, polyurethane oxygen tubing,	
		inbuilt flow meters, controllers, indicators etc.	
		The individual systems mentioned as above should be complete	
		in itself including all its accessories. A laptop official windows	
		10 system and core i3 processor, laser printer with scanner,	
	D	should be provided with it.	
6	Dough rounder	The conical rounder is designed for intermediate and final round	0.05
		moulding of dough & should have following specifications:	
		Machine capacity (pcs/h) approximately 2800	
		• Moulding range (g) from 100g – 2500 g with different spirals.	
		Spiral length (mm) 3750	
		 Installed power with air blowing device (kW) 3.15 	
7	Inkjet Printing	It should be suitable for printing batch number / price /	0.05
	Equipment	manufacturing date / expiry date etc. automatically on the	
		bottle/caps	
		 Up to four lines printing with variety of print formats. 	
		• The machine PLC controlled and can be interfaced with a PC.	
		Reputed international brand	

8	Food printer (3 D)	The printer should be able to process different food ingredient at	0.10
0		different temperatures. It can have following specifications:	0.10
		Position accuracy: XY Axis 0.1/100 mm	
		Z axis 0.01/100 mm	
		E axis 1/100 mm	
		Nozzle size 0.4 mm -1.55 mm	
		Printing speed 20-30 mm/s	
		Magnification of Nozzle movement speed: 50-160%	
		The system should be complete with all accessories and part and should work at 220 V AC current.	
		Onsite warranty: Comprehensive 3 years	
		Complete documentation (DQ/IQ/PQ etc.) and all cables/ chords,	
		and minor accessories for a working configuration should be	
		provided.	
9	Ultrasonic juice	The system should be able to process fruit juice in continuous	0.30
	processing system	manner. It should be made up of stainless steel with vessel	
		temperature sensor, convertor, sonotrode for generation of	
		ultrasonic vibration with various ranges and power, with process	
		inlet and outlet valve with agitation system controlled with VFD	
		ranging from 40 to 400 rpm. The system should be able to with stand a maximum pressure of 5 bar. The system should be	
		available with suitable flow control devices to maintain the flow	
		within the system. The system should have a processing	
		capacity of 100 litre per hour and a vessel size of at least 10	
		litres.	
10	Nitrogen	The evaporation system with an automated high speed, low	0.30
	Evaporation	volume sample concentrator should have following features:	
	System	Up to 50 samples can be evaporated	
		Should be able to evaporate acidic samples	
		It should consume minimum gas	
		Separate controlling of each manifold Proven compliance with EPA methods	
		No of racks: Twelve	
		Sample volume from 1.0 ml to 30 ml	
		Controlled water bath adjustable from ambient to 90 °C with	
		temperature accuracy ± 1 °C.	
		Built-in nitrogen regulator	
		Hood space and tube balancing should be included	
		Swap rack facility to change between different tube sizes	
		Timer range: 1 to 99 minutes It should provide even temperature of throughout water bath and	
		gas flow over a set time period	
		The system should include all other required accessories. The	
		unit should be complete in all respect.	
		Onsite warranty: Comprehensive 3 years	
11	FFS Machine	Form Fill Seal (FFS) packaging machine	0.25
		Microprocessor controller based two head linear weigher vertical	
		form, fill & seal to pack machine for various food products	
		like namkeens, extruded snacks, and other granular materials. The system should be suitable for all types of packaging films. It	
		should have following specifications:	
		No of Heads: Two	
		Range of package: 100 g to 1000 g	
		Range of production capacity: 12 to 20 packages per minute	
		(depending upon fill weight of product, it's flow properties & bulk	
		density of product)	
		Type of sealing: central	
		Type of pouches/sachets: pillow type	

		Pouch size: Width (100 mm to 180 mm) and length (100 mm to	
		275 mm)	
		Accuracy: ± 1%- 2%	
		Material contact parts: SS304	
		A laptop official windows 10 system and core i3 processor,	
		laser printer with scanner, should be provided with it.	
		The system should be complete with all set of spares or change	
		parts like collar, pneumatic coding device, cutting blades, at least	
		3 chutes for different size packaging etc. with packaging roll of	
		about 200 kg of packaging rolls (having thickness "12 micron	
		PET + 40 micron LD laminates" of different pouch size, with eye	
		mark at appropriate repeat length as per requirement for testing	
		of various size package sizes 100 g, 250 g, 500g and 1000 g) in all respect and inclusive of installation, testing and	
		all respect and inclusive of installation, testing and commissioning with training.	
12	Spectrophotometer	The UV visible spectrophotometer should have following	0.15
12	opectiophotometer	specifications: -	0.15
		Source: Tungsten-Halogen lamp Deuterium lamp Built in light	
		source auto position adjustment	
		Monochromator: Czerny-Turner	
		Detectors: 2 silicon photodiodes	
		Optical design: Double beam Czerny-Turner monochromator	
		UV-Vis Wavelength resolution: 0.1 nm (190-1100 nm)	
		Wavelength Range: 190–1100 nm	
		Wavelength Display: 0.1 nm increment	
		Wavelength setting: 0.2 nm increment (1 nm increments when	
		setting scanning range)	
		Wavelength Accuracy: ±0.05 nm	
		Spectral Bandwidth: < 3 nm	
		Wavelength Repeatability: ±0.1 nm	
		Photometric Accuracy: ±0.005 Abs at 1.0 Abs	
		Photometric Range:	
		Absorbance: -4 to 4 Abs	
		Transmission: 0 to 400%	
		Photometric Repeatability: ±0.002 Abs at 1.0 Abs	
		Baseline flatness: 200 to 1100 nm	
		Baseline corrected: ±0.003 Abs	
		Spectral bandwidth: 1 nm (190-100 nm)	
		Display: Touch Screen User Interface	
		Sample holder: 1 cm Single Cell Holder as well 50 µL microcells	
		holder. The cell holders as well as the modules can be	
		interchanged quickly and securely	
		Measuring modes: Equipped with a variety of measurement	
		modes and numerous functions as standard in a stand-alone	
		instrument such as: Photometric Mode, Spectrum Mode,	
		Quantitation Mode, Kinetics Mode, Time-Scan Mode, Multi-	
		Component Quantitation Mode, Biomethod Mode (provided as	
		standard)	
		Accessories: USB cable, and power cord, USB memory,	
		Softwares, Work Station PC, 19" TFT-LED Monitor with laser	
		Printer, 1 KVA Online UPS, PC Compatibility-External Control	
		possible via USB, Set of quartz cuvette for sample analysis – compatible with the holders,; Power Requirement: 100 to 120 V;	
		200 to 240 V; 50/60 Hz; automatic changeover ports.	
L	l		

		Onsite warranty : Comprehensive 3 years Complete documentation (DQ/IQ/PQ etc.) and all cables/ chords, accessories for a working configuration	
		Single price quotation for UV visible spectrophotometer along with above mentioned accessories is invited	
13	Microencapsulator	The instrument should be capable of encapsulating different food bioactive compounds under open working conditions. It should be capable of providing vibrational frequency in capsule/bead formation. Parts in touch with external medium should be	0.75
		autoclavable. The instrument should have following specification. Control unit	
		Capable of regulation of vibration frequency, electrostatic dispersion, heating, air pressure, liquid flow rate etc. Vibration Frequency	
		It should be capable of providing vibrational frequency in capsule/bead formation. Vibration frequency upto 5000Hz shall be provided.	
		Set of single nozzles for bead formation Stainless steel nozzles with diameter ranging from 0.1 to 1.0 mm (approx. 8-10 nos.) shall be provided.	
		Set of concentric nozzles for capsule formation Stainless steel nozzles with diameter ranging from 0.1 to 1.0 mm (approx. 5-7 nos.) shall be provided Nozzle heating	
		Integrated heating of the bead production unit up to 70 °C shall be possible Syringe pump	
		System should be supplied with syringe pump Pressure bottle	
		500 ml glass volume bottles with maximum working pressure up to 1.5 bar. The flow rate from 70 ml/h to about 2000 ml/h shall be maintained.	
		Reproducibility in bead formation In the range of 0.15 mm to 2.0 mm the bead size uniformity (approximately 5 % relative standard deviation of bead size using pure alginate) Process control	
		Visual monitoring in the light of a stroboscope lamp shall be possible to control operational parameters.	
		Cell viability Bead formation should be at low shear for high cell survival. Batch size	
		The batch size of 5 ml to 1000 ml shall be provided. Droplet size	
		Should be capable to form size from 0.15 to 2.0 mm To maintain the above mentioned droplet size, electro static dispersion/other effective alternative technique should be used. Electrode Tension	
		The variable electrode tension upto 2000 V shall be available. High bead production The instrument should be capable of formation of minimum 6000	
		beads per second depending on encapsulation conditions and polymer mixture. Parts in contact with medium	
		Shall be of stainless steel, glass, silicone, PTFE, FEP etc. Parts in touch medium should be autoclavable. The parts should be safe for production pharmaceutical and	

nutraceutical products. Compact in Design	
	night
The instrument should be sleek in design with low w Working Conditions	eigni.
Should capable to operate from 5 to 40 °C	
Essential Accessories	
All essential accessories required to fulfil above	specification
shall specifically mentioned and cost of them shall	
The system should be supplied with a latest configu	
book at least with a processor of Intel Core i7 and 8 Optional Accessories: 1000 ml reaction vessel a	
stirrer	
The system to be supported with on-site operationa	I training and
	nave onsite
comprehensive warranty of 3 years.	
Single price quote in Indian rupees for above with ac	ccessories as
14 Automated Specified is invited. 14 Automated Automated Identification System for rapid automated	ed incubation 0.50
Microbial and identification of aerobic bacteria plus the rapid	
Identification of anaerobes, yeast, and filamentous fungi w	
System accessories:	
The Overlage shall include on Identificati	Out to the second se
The System shall include an Identificati MicroStation and computer configured with a	
Software with database.	in necessary
System shall carry out Data Collection, Retr	rospect Data
Management.	•
It shall encompasse the electronic User Guid	
reader, softwares, computer system, print	er, pipettor,
turbidimeter.System should be based on utilization pattern	n of different
carbon sources	
System should have a large database covering	at least 2900
species	
Data Management Software should be prov	
unprecedented ability for the trending and microbial identification. It should have features	
analysis (Dendrogram study) and creation of us	
for additional microbial species.	
System should also be supplied with microplate	s and related
consumables for identification of aerobic gram	negative and
gram positive bacteria	
The system to be supported with on-site operationa	I training and
•	nave onsite
comprehensive warranty of 3 years.	
Single price quote in Indian rupees for above with ac	ccessories as
specified is invited.15Semi-AutomatedFor rapid identification of bacteria, yeast, and filam	entous fungi. 0.30
Microbial The Semi-Automated Identification Systems has th	•
Identification read all types of MicroPlate configurations alon	
System Analysis Softwares having reader control and c	data analysis
software for MicroStation Reader and database so	oftwares with
following accessories:	to Turkidity
The database software includes appropria Standards for identification of aerobic and	
bacteria, yeast, and filamentous fungi.	
It shall encompasse the electronic User Guid	le, incubator,
reader, softwares, computer system, print	

The instruction of the second on utilization pattern of different carbon sources • System should have a large database covering at least 2900 species • Data Management Software should be provided for an unprecedented ability for the trending and tracking of microbial identification. It should have features for Cluster analysis (Dendrogram study) and creation of user database for additional microbial species. • System should have a suppled with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria The system to be suppled with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria 7. Illumina Kits - Mo. Reagents So: Cat No. No. FC:140-1003 1 FC:140-1003 1 FC:140-1003 2 FC:140-1003 3 FC:140-1003 4 FC:140-1003 5 FC:140-1003 6 FC:140-1003 7 Hitumina Kits - Mo. 10 FC:140-1003 11 FC:140-1003 12 FC:140-1003 13 FC:140-1003 14 FC:140-1003 15 FC:140-1003 16 FC:140-1003 <			ala taltuar e Co		I			
 carbon sources System should have a large database covering at least 2900 species Data Management Software should be provided for an unprecedented ability for the trending and tracking of microbial identification. It should have features for Cluster analysis (Dendrogram study) and creation of user database for additional microbial species. System should have ossile comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. The system to be supported with on-site operational training and in-house application training. It should have onsile comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. It should have onsile comprehensive warranty of 3 years. F. Ci-40-1003. Nextera Rapid Capture Exome (8 ron x 12 plex). F. Ci-40-1008. Nextera Rapid Capture Exome (8 ron x 12 plex). F. Ci-40-1004. Nextera Rapid Capture Exome (8 ron x 12 plex). F. Ci-40-1004. Nextera Rapid Capture Exome (8 ron x 12 plex). F. Ci-40-1004. Nextera Rapid Capture Exomated Exome (2 ron x 12 plex). F. Ci-40-1004. Nextera Rapid Capture Exomated Exome (2 ron x 12 plex). F. Ci-40-1004. Nextera Rapid Capture Exomated Exome (2 ron x 12 plex). F. Ci-40-1004. Nextera Rapid Capture Exomated Exome (2 ron x 12 plex). F. Ci-40-1004. Nextera Rapid Capture Exomated Exome (2 ron x 12 plex). F. Ci-40-1007. TruSeq Exome Library Prep Kit (4 samples). F. Ci-40-1007. TruSeq Exome Library Prep Kit (2 samples). F. Ci-40-1007. TruSeq Rapid Exome Library Prep Kit (2 samples). F. Ci-40-1007. TruSeq Rapid Exome Library Prep Kit (2 samples). F. Ci-40-1007. TruSeq Rapid Exome Library Prep Kit (2 samples). F. Ci-40-1007. TruSeq Rapid Exome Library Prep Kit (he based on utilization nattern of different				
System should have a large database covering at least 2900 species Data Management Software should be provided for an unprecedented ability for the trending and tracking of microbial identification. It should have features for Cluster analysis (Dendrogram study) and creation of user database for additional microbial species. System should also be supplied with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria The system to be supported with on-site operational training and in-house application training: It should have onsite comprehensive warranty of 3 years. C. Department of Aimal Genetics and Breeding, College VS & AH, AAU, Anand. T Reagents No. Cat. No. Name of Kits System Ray Capture Exore (8 nn x 12 plex) FC-140-1030 Nextera Rapid Capture Exore (8 nn x 12 plex) FC-140-1030 Nextera Rapid Capture Exore (8 nn x 12 plex) FC-140-1030 Nextera Rapid Capture Exore (8 nn x 12 plex) FC-140-1030 Nextera Rapid Capture Exore (8 nn x 12 plex) FC-140-1030 Nextera Rapid Capture Exore (8 nn x 12 plex) FC-140-1030 Nextera Rapid Capture Exore (8 nn x 12 plex) FC-140-1000 Nextera Rapid Capture Exore (8 nn x 12 plex) FC-160-1001 TuSeq Exone Library Prep Kit (48 samples) FC-150-1001 TuSeq Exone Library Prep Kit (24 samples) FC-150-1003 TuSeq Exone Library Prep Kit (8 samples) FC-150-1001 TuSeq Rapid Exore Library Prep Kit (8 samples) FC-160-1001 TuSeq Rapid Exone Library Prep Kit (8 samples) FC-164-1000 TuSeq Rapid Exone Library Prep Kit (8 samples) FC-144-1000 TuSeq Rapid Exone Library Prep Kit (8 samples) FC-144-1001 TuSeq Rapid Exone Library Prep Kit (8 samples) FC-144-1001 TuSeq Rapid Exone Library Prep Kit (8 samples) FC-144-1007 TuSeq Rapid Exone Library Prep Kit (8 samples) FC-144-1000 TuSeq Rapid Exone Library Prep Kit (8 samples) FC-144-1007 TuSeq Rapid Exone Library Prep Kit (8 samples) FC-142-1000 TuSeq Rapid Exone Library Prep K				be based on dunization pattern of dinerent				
species • Data Management Software should be provided for an unprecedented ability for the trending and tracking of microbial identification. It should have features for Cluster analysis (Dendrogram study) and creation of user database for additional microbial species. • System should also be supplied with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria The system to be supported with on-site operational training and in-house application training: It should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & Atl, AAU, Anand. It FC-140-1003 Name of Kits 1 FC-140-1003 Illumina Kits - Sr. Cat No. Name of Kits 0.50 2 FC-140-1003 Nextera Rapid Capture Exome (8 nn x 12 plex) 2 3 FC-140-1003 Nextera Rapid Capture Exome (8 nn x 12 plex) 2 4 FC-140-1004 Media Rapid Capture Exome (8 nn x 12 plex) 3 FC-140-1004 5 FC-140-1005 Mediare Rapid Capture Expanded Exome (2 nn x 12 plex) 3 FC-140-1004 6 FC-140-1005 Mediare Rapid Capture Expanded Exome (2 nn x 12 plex) 7 FC-140-1004 9 FC-150-1001 TruSeq Exome Lbrary Prep Kit (4 samples) 1 FC-160-1005 10								
Potata Management Software should be provided for an unprecedented ability for the trending and tracking of microbial identification. It should have features for Cluster analysis (Dendrogram study) and creation of user database for additional microbial species. System should also be supplied with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria The system to be supported with on-site operational training and in-house application training. It is should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. The system to be supported with on-site operational training and in-house application training. It is should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. The C-140-1003 Nextera Rapid Capture Exome (8 nn x 12 plex) 1 = FC-140-1003 Nextera Rapid Capture Exome (8 nn x 12 plex) 1 = FC-140-1004 Nextera Rapid Capture Exome (8 nn x 12 plex) 1 = FC-140-1006 Nextera Rapid Capture Exome (8 nn x 12 plex) 1 = FC-140-1000 Nextera Rapid Capture Exomed Exome (8 nn x 12 plex) 1 = FC-140-1000 Nextera Rapid Capture Expanded Exome (8 nn x 12 plex) 1 = FC-140-1000 Nextera Rapid Capture Expanded Exome (8 nn x 12 plex) 1 = FC-140-1000 Nextera Rapid Capture Expanded Exome (8 nn x 12 plex) 1 = FC-140-1000 TruSeq Exome Library Prep KI (48 samples) 1 = FC-140-1000 TruSeq Rapid Exome Library Prep KI (8 samples) 1 = FC-140-1000 TruSeq Rapid Exome Library Prep KI (8 samples) 1 = FC-140-1000 TruSeq Rapid Exome Library Prep KI (8 samples) 1 = FC-140-1000 TruSeq Rapid Exome Library Prep KI (8 samples) 1 = FC-140-1000 TruSeq Rapid Exome Library Prep KI (8 samples) 1 = FC-140-1000 TruSeq Rapid Exome Library Prep KI (8 samples) 1 = FC-140-1000 TruSeq Rapid Exome Library Prep KI (8 samples) 1 = FC-140-1000 TruSeq Rapid Exome Library Prep KI		-						
viprecedented ability for the trending and tracking of microbial identification. It should have features for Cluster analysis (Dendrogram study) and creation of user database for additional microbial species. • • System should also be supplied with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria • The system to be supported with on-site operational training and in-house application training; It should have onsite comprehensive warranty of 3 years. • 7. Illumina Kits - Reagents Sr. • Nextera Rapid Capture Exome (8 rnx 12 plex). • 7. Illumina Kits - Reagents Sr. • Nextera Rapid Capture Exome (8 rnx 12 plex). • • 7. IC-140-1005 Nextera Rapid Capture Exome (8 rnx 12 plex). • • • 8 FC-140-1005 Nextera Rapid Capture Exome (8 rnx 12 plex). •				nent Software should be provided for an				
analysis (Dendrogram study) and creation of user database for additional microbial species. • System should also be supplied with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria The system to be supported with on-site operational training and in-house application training: The system to be supported with on-site operational training and in-house application training: 0.50 7. Illumina Kits – Reagents Sr. Cat. No. Name of Kits 7. Illumina Kits – Reagents Sr. Cat. No. Name of Kits 3 FC-140-1003 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 4 FC-140-1003 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 5 FC-140-1005 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 6 FC-140-1005 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 7 FC-140-1005 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 8 FC-140-1005 Tusketa Rapid Capture Exome (8 ron x 12 plex) 1 9 FC-140-1005 Tusketa Rapid Capture Exome (8 ron x 12 plex) 1 10 FC-140-1005 Tusketa Rapid Capture Exome (8 ron x 12 plex) 1 11 FC-140-1005 <t< th=""><th></th><th>un</th><th>precedented</th><th>ability for the trending and tracking of</th><th></th></t<>		un	precedented	ability for the trending and tracking of				
for additional microbial species. • System should also be supplied with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria The system to be supported with on-site operational training and in-house application training: It should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. It should have onsite comprehensive warranty of 3 years. 7. Illumina Kits - Reagents Sr. Cat. No. Name of Kits 8 FC-140-1080 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 2 FC-140-1080 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 4 FC-140-1080 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 5 FC-140-1080 Nextera Rapid Capture Expanded Exome (2 ron x 12 plex) 1 6 FC-140-1080 Nextera Rapid Capture Expanded Exome (2 ron x 12 plex) 1 7 FC-140-1080 Nextera Rapid Capture Expanded Exome (2 ron x 12 plex) 1 8 FC-160-1001 TruSeq Exome Library Prep Kit (48 samples) 1 10 FC-140-1003 TruSeq Exome Library Prep Kit (48 samples) 1 11 FC-144-1000 TruSeq Exome Library Prep Kit (48 samples) <td< th=""><th></th><th></th><th></th><th></th><th></th></td<>								
System should also be supplied with microplates and related consumables for identification of aerobic gram negative and gram-positive bacteria The system to be supported with on-site operational training and in-house application training: It should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. Tillumina Kits – Reagents So. Cat No. No. To Cat No. Name of Kits Te C-140-1003 Nextera Rapid Capture Exome (8 nm x 12 plex) 1 FC-140-1003 Nextera Rapid Capture Exome (8 nm x 12 plex) 1 FC-140-1003 Nextera Rapid Capture Exome (8 nm x 12 plex) 1 FC-140-1003 Nextera Rapid Capture Exome (8 nm x 12 plex) 1 FC-140-1003 Nextera Rapid Capture Exome (8 nm x 12 plex) 1 FC-140-1003 Nextera Rapid Capture Exome (8 nm x 12 plex) 1 FC-140-1003 Nextera Rapid Capture Exome (8 nm x 12 plex) 1 FC-140-1003 Nextera Rapid Capture Exome (8 nm x 12 plex) 1 FC-140-1004 Nextera Rapid Capture Exomed Exome (1 nm x 12 plex) 1 FC-160-1002 TuSeq Exome Library Prep Kit (24 samples) 10 FC-160-1002 TuSeq Exome Library Prep Kit (24 samples) 11 FC-160-1002 TuSeq Exome Library Prep Kit (24 samples) 12 FC-144-1001 TuSeq Exome Library Prep Kit (45 samples) 13 FC-144-1001 TuSeq Rapid Exome Library Prep Kit (45 samples) 14 FC-144-1002 TuSeq Rapid Exome Library Prep Kit (45 samples) 15 FC-144-1001 TuSeq Rapid Exome Library Prep Kit (45 samples) 16 FC-144-1001 TuSeq Rapid Exome Library Prep Kit (45 samples) 16 FC-144-1002 TuSeq Rapid Exome Library Prep Kit (45 samples) 16 FC-144-1003 TuSeq Rapid Exome Library Prep Kit (45 samples) 16 FC-140-1003 TuSeq Rapid Exome Library Prep Kit (45 samples) 16 FC-140-1003 TuSeq Rapid Exome Library Prep Kit (45 samples) 16 FC-140-1003 TuSeq Rapid Exome Library Prep Kit (4								
consumables for identification of aerobic gram negative and gram-positive bacteria The system to be supported with on-site operational training and in-house application training: It should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. 7. Illumina Kits – Reagents St. Cat. No. Name of Kits 0.50 7. Illumina Kits – Reagents St. Cat. No. Name of Kits 0.50 7. FC 140-1003 Nextera Rapid Capture Exome (6 rnx x 3 plex) 3 FC-140-1008 Nextera Rapid Capture Exome (6 rnx x 9 plex) 4 FC-140-1008 0.50 8 FC-140-1004 Nextera Rapid Capture Expanded Exome (8 rnx x 12 plex) 7 FC-140-1004 Nextera Rapid Capture Expanded Exome (8 rnx x 12 plex) 8 FC-150-1002 Nextera Rapid Capture Expanded Exome (8 rnx x 12 plex) 8 FC-150-1003 Nextera Rapid Capture Expanded Exome (8 rnx x 12 plex) 1 FC-150-1004 Nextera Rapid Capture Expanded Exome (8 rnx x 12 plex) 1 FC-140-1007 Nextera Rapid Capture Expanded Exome (8 rnx x 12 plex) 1 FC-140-1007 Nextera Rapid Capture Expanded Exome (8 rnx x 12 plex) 1 FC-140-1007 Nextera Rapid Capture Expanded Exome (8 rnx x 12 plex) 1 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 1 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 1 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 1 FC-140-1008 <t< th=""><th></th><th></th><th></th><th>•</th><th></th></t<>				•				
gram-positive bacteria The system to be supported with on-site operational training and in-house application training: It should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. 7. Illumina Kits – Reagents Sr. Cat. No. Name of Kits 0.50 2 FC-140-1083 Nextera Rapid Capture Exome (8 nnx x 12 plex) 2 0.50 3 FC-140-1084 Nextera Rapid Capture Exome (8 nnx x 12 plex) 1 0.50 5 FC-140-1084 Nextera Rapid Capture Exonde (8 nnx x 12 plex) 1 0.50 6 FC-140-1084 Nextera Rapid Capture Expanded Exome (4 nnx x 12 plex) 1 1 FC-140-108 7 FC-140-1004 Nextera Rapid Capture Expanded Exome (8 nnx x 12 plex) 1 FC-140-1004 8 FC-150-1001 TrusReq Exome Library Prep Kit (24 samples) 1 FC-140-1005 9 FC-140-1002 TrusReq Exome Library Prep Kit (88 samples) 1 FC-140-1004 10 FC-140-1007 TrusReq Rapid Exome Library Prep Kit (88 samples) 1 FC-140-1007 11 FC-140-1007 TrusReq Rapid Exome Library Prep Kit (88 samples) 1 FC-1		•						
The system to be supported with on-site operational training and in-house application training; It should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. 7. Illumina Kits - Reagents 8 C Cat. No. Name of Kits 1 FC-140-1003 Nextera Rapid Capture Exome (8 rnx x12 plex) 2 2 FC-140-1008 Nextera Rapid Capture Exome (8 rnx x12 plex) 3 3 FC-140-1008 Nextera Rapid Capture Exome (8 rnx x12 plex) 4 6 FC-140-1008 Nextera Rapid Capture Exome (8 rnx x12 plex) 5 7 FC-140-1008 Nextera Rapid Capture Exome (8 rnx x12 plex) 6 8 FC-140-1008 Nextera Rapid Capture Exome (8 rnx x12 plex) 7 9 FC-140-1006 Nextera Rapid Capture Exome (8 rnx x12 plex) 7 10 FC-150-1001 TrusReq Exome Library Prep Kit (24 samples) 11 11 FC-140-1005 TrusReq Exome Library Prep Kit (42 samples) 11 12 FC-144-1000 TrusReq Rapid Exome Library Prep Kit (42 samples) 13 13 FC-144-1000 TrusReq Rapid Capture Custom Enrichment Kit (48 samples) 14				• •				
In-house application training: It should have onsite comprehensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. 7. Illumina Kits - Reagents Sr. C. Low PC-140-1003 A Restera Rapid Capture Exome (8 rnx 12 plex) 2 FC-140-1018 A Restera Rapid Capture Exome (8 rnx 12 plex) 3 FC-140-1008 A Restera Rapid Capture Exome (8 rnx 12 plex) 5 FC-140-1006 B Nextera Rapid Capture Exome (8 rnx 12 plex) 5 FC-140-1006 B Nextera Rapid Capture Expanded Exome (8 rnx 12 plex) 5 FC-140-1006 B Nextera Rapid Capture Expanded Exome (8 rnx 12 plex) 7 FC-140-1006 B Nextera Rapid Capture Expanded Exome (8 rnx 12 plex) 7 FC-140-1007 B Nextera Rapid Capture Expanded Exome (8 rnx 12 plex) 7 FC-140-1006 B Nextera Rapid Capture Expanded Exome (8 rnx 12 plex) 7 FC-140-1007 TruSeq Exome Library Prep Kit (24 samples) 9 FC-150-1003 10 FC-150-1003 11 FC-144-1000 10 TruSeq Rapid Exome Library Prep Kit (8 samples) 11 FC-140-1007 TruSeq Rapid Exome Library Prep Kit (8 samples) 12 FC-144-1000 11 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (8 samples) 13 FC-144-1007 TruSeq Rapid Capture Custom Enrichment Kit (48 samples) 14 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (8 samples) 16 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (8 samples) 17 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 12 FC-130-1007 TruSeq Custom Amplicon Juny LiXit (9 samples) 12 FC-130-1007 TruSeq Custom Amplicon Juny IXIt (16 samples) 12 FC-130-1007 TruSeq Custom Amplicon Juny								
It should have onsite comprishensive warranty of 3 years. C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. 7. Illumina Kits – Reagents S. Cat. No. Name of Kits 0.50 1 FC-140-1003 Nextera Rapid Capture Exome (8 rox x 12 plex) 2 2 FC-140-1003 Nextera Rapid Capture Exome (8 rox x 3 plex) 3 6 4 FC-140-1004 Nextera Rapid Capture Exome (8 rox x 12 plex) 6 5 FC-140-1006 Nextera Rapid Capture Expanded Exome (2 rox x 12 plex) 6 6 FC-140-1004 Nextera Rapid Capture Expanded Exome (4 rox x 12 plex) 7 6 FC-140-1006 Nextera Rapid Capture Expanded Exome (4 rox x 12 plex) 7 7 FC-140-1006 TusSeq Exome Library Prep Kit (24 samples) 10 9 FC-150-1003 TrusSeq Rapid Exome Library Prep Kit (24 samples) 11 10 FC-144-1000 TrusSeq Rapid Exome Library Prep Kit (24 samples) 12 11 FC-144-1007 TrusSeq Rapid Exome Library Prep Kit (124 samples) 15 12 FC-144-1003 TrusSeq Rapid Exome Library Prep Ki								
C. Department of Animal Genetics and Breeding, College of VS & AH, AAU, Anand. Sr. Cat. No. Name of Kits 0.50 7. Illumina Kits - Reagents Sr. Cat. No. Name of Kits 0.50 2 FC-140-1003 Nextera Rapid Capture Exome (8 ron x 12 plex) 1 2 FC-140-1080 Nextera Rapid Capture Exome (8 ron x 6 plex) 3 FC-140-1080 Nextera Rapid Capture Exome (8 ron x 72 plex) 5 FC-140-1080 Nextera Rapid Capture Exome (8 ron x 12 plex) 5 FC-140-1080 Nextera Rapid Capture Expanded Exome (2 ron x 12 plex) 6 FC-140-1004 Nextera Rapid Capture Expanded Exome (8 ron x 12 plex) 6 FC-140-1004 Nextera Rapid Capture Expanded Exome (8 ron x 12 plex) 7 FC-140-1007 Nextera Rapid Capture Expanded Exome (8 ron x 12 plex) 7 FC-140-1003 Truseq Exome Library Prep Kit (24 samples) 10 FC-150-1002 Truseq Exome Library Prep Kit (24 samples) 11 FC-140-1003 Truseq Expaid Exome Library Prep Kit (24 samples) 12 FC-144-1004 Truseq Rapid Exome Library Prep Kit (16 samples) 13 FC-144-1004 Truseq Rapid Exome Library Prep Kit (48 samples) 14 FC-144-1004 Truseq Rapid Exome Library Prep Kit (16 samples) 15								
7. Illumina Kits – Reagents Sr. No. Cat. No. Name of Kits 0.50 1 FC:140-1003 Nextera Rapid Capture Exome (8 rxn x 12 plex) 2 5 2 FC:140-1088 Nextera Rapid Capture Exome (8 rxn x 3 plex) 3 FC:140-1089 3 FC:140-1089 Nextera Rapid Capture Expanded Exome (2 rxn x 12 plex) 2 FC:140-1089 4 FC:140-1089 Nextera Rapid Capture Expanded Exome (2 rxn x 12 plex) 6 FC:140-1004 5 FC:140-1005 Nextera Rapid Capture Expanded Exome (2 rxn x 12 plex) 7 FC:140-1006 6 FC:140-1007 Truseq Exome Library Prep Kit (24 samples) 9 9 FC:150-1003 Truseq Exome Library Prep Kit (24 samples) 10 FC:144-1001 Truseq Rapid Exome Library Prep Kit (48 samples) 11 FC:144-1002 Truseq Rapid Exome Library Prep Kit (24 samples) 12 FC:144-1003 Truseq Rapid Exome Library Prep Kit (84 samples) 13 FC:144-1002 Truseq Rapid Exome Library Prep Kit (84 samples) 14 FC:144-1002 Truseq Rapid Exome Library Prep Kit (84 samples)	C. Department of Ani				1			
No. Image: Construct of the state of the st					0.50			
2 FC-140-1083 Nextera Rapid Capture Exome (6 rxn x 6 plex) 3 FC-140-1084 Nextera Rapid Capture Expanded Exome (2 rxn x 6 plex) 5 FC-140-1004 Nextera Rapid Capture Expanded Exome (2 rxn x 12 plex) 6 FC-140-1005 Nextera Rapid Capture Expanded Exome (2 rxn x 12 plex) 7 FC-140-1006 Nextera Rapid Capture Expanded Exome (4 rxn x 12 plex) 8 FC-150-1001 TruSeq Exome Library Prep Kit (24 samples) 9 FC-150-1002 TruSeq Exome Library Prep Kit (48 samples) 10 FC-150-1004 TruSeq Exome Library Prep Kit (48 samples) 11 FC-160-1004 TruSeq Rapid Exome Library Prep Kit (48 samples) 12 FC-144-1000 TruSeq Rapid Exome Library Prep Kit (48 samples) 13 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (48 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (72 samples) 15 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (72 samples) 16 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (96 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 16 FC-140-1000 Nextera Rapid Capture Custom Enrichment Kit (48			FO (10 1005					
3 FC-140-1086 Nextera Rapid Capture Exome (8 rxn x 6 ptex) 4 FC-140-1009 Nextera Rapid Capture Expanded Exome (2 rxn x 12 ptex) 5 FC-140-1000 Nextera Rapid Capture Expanded Exome (4 rxn x 12 ptex) 6 FC-140-1000 Nextera Rapid Capture Expanded Exome (4 rxn x 12 ptex) 7 FC-140-1000 Nextera Rapid Capture Expanded Exome (8 rxn x 12 ptex) 8 FC-150-1001 TruSeq Exome Library Prep Kit (24 samples) 9 FC-150-1002 TruSeq Exome Library Prep Kit (72 samples) 10 FC-150-1004 TruSeq Exome Library Prep Kit (72 samples) 11 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (8 samples) 12 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (8 samples) 13 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (48 samples) 14 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (48 samples) 15 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (48 samples) 16 FC-140-1008 Ramples) 17 FC-140-1009 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1009 Nextera Rapid Capture Custom Enrichment Kit (48 samples) <t< th=""><th></th><th></th><th></th><th></th><th></th></t<>								
4 FC-140-1089 Nextera Rapid Capture Expanded Exome (2 ron x 12 plex) 5 FC-140-1004 Nextera Rapid Capture Expanded Exome (2 ron x 12 plex) 6 FC-140-1005 Nextera Rapid Capture Expanded Exome (4 ron x 12 plex) 7 FC-140-1006 Nextera Rapid Capture Expanded Exome (8 ron x 12 plex) 8 FC-150-1001 TruSeq Exome Library Prep Kit (24 samples) 9 FC-150-1002 TruSeq Exome Library Prep Kit (24 samples) 10 FC-150-1003 TruSeq Exome Library Prep Kit (24 samples) 11 FC-144-1000 TruSeq Rapid Exome Library Prep Kit (24 samples) 12 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (24 samples) 13 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (24 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (24 samples) 15 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (26 samples) 16 FC-144-1004 TruSeq Rapid Capture Custom Enrichment Kit (48 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 19 FC-140-1008 Nextera Rapid Capture Custo								
5 FC-140-1004 Nextera Rapid Capture Expanded Exome (2 rxn x 12 plex) 6 FC-140-1005 Nextera Rapid Capture Expanded Exome (4 rxn x 12 plex) 7 FC-140-1006 Nextera Rapid Capture Expanded Exome (8 rxn x 12 plex) 8 FC-150-1001 TruSeq Exome Library Prep Kit (24 samples) 9 FC-150-1002 TruSeq Exome Library Prep Kit (24 samples) 10 FC-150-1003 TruSeq Exome Library Prep Kit (24 samples) 11 FC-160-1004 TruSeq Exome Library Prep Kit (24 samples) 12 FC-144-1000 TruSeq Rapid Exome Library Prep Kit (48 samples) 13 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (48 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (48 samples) 15 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (48 samples) 16 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 17 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1006 TruSeq Custom Amplicon Low input Kit (16			FC-140-1089					
6 FC-140-1005 Nextera Rapid Capture Expanded Exome (4 rxn x 12 plex) 7 FC-140-1006 Nextera Rapid Capture Expanded Exome (8 rxn x 12 plex) 8 FC-150-1001 TruSeq Exome Library Prep Kit (24 samples) 9 FC-150-1002 TruSeq Exome Library Prep Kit (24 samples) 10 FC-150-1003 TruSeq Exome Library Prep Kit (28 samples) 11 FC-150-1004 TruSeq Exome Library Prep Kit (28 samples) 12 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (24 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (24 samples) 15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (28 samples) 16 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (28 samples) 17 FC-140-1004 TruSeq Rapid Exome Library Prep Kit (28 samples) 18 FC-140-1004 TruSeq Rapid Capture Custom Enrichment Kit (48 samples) 19 FC-140-1006 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1007 TruSeq Custom Amplicon Low Input Kit (28 camples) 23 FC-134-2001 TruSeq Custom Amplicon Low Input Kit (26 samples) <th></th> <th>5</th> <th>FC-140-1004</th> <th></th> <th></th>		5	FC-140-1004					
plex) plex) 7 FC-140-1006 Nextera Rapid Capture Expanded Exome (8 rxn x 12 plex) 8 FC-150-1001 TruSeq Exome Library Prep Kit (24 samples) 9 FC-150-1002 TruSeq Exome Library Prep Kit (24 samples) 10 FC-150-1004 TruSeq Exome Library Prep Kit (24 samples) 11 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (8 samples) 12 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (24 samples) 13 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (24 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (24 samples) 15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (24 samples) 16 FC-144-1004 TruSeq Rapid Capture Custom Enrichment Kit (48 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-134-2001 TruSeq Custom Amplicon Filter Plate (1 plate) 23 FC-134-2001 TruSeq Custom Amplicon Low Input		6	FC-140-1005					
9 plex) 8 FC-150-1001 TruSeq Exome Library Prep Kit (24 samples) 9 FC-150-1002 TruSeq Exome Library Prep Kit (25 samples) 10 FC-150-1004 TruSeq Exome Library Prep Kit (36 samples) 11 FC-144-1000 TruSeq Rapid Exome Library Prep Kit (48 samples) 13 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (48 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (48 samples) 15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (66 samples) 16 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (66 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (288 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1006 TruSeq Custom Amplicon Low Input Kit (16 samples) 23 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (16 samples) 24 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (16 samples) 25 IP-202-1012 TruSeq Custom Amplicon Low Input Kit (16 samples) 26 IP-202-1012		Ŭ	101401000					
9 FC-150-1002 TruSeq Exome Library Prep Kit (48 samples) 10 FC-150-1003 TruSeq Exome Library Prep Kit (72 samples) 11 FC-150-1004 TruSeq Rapid Exome Library Prep Kit (86 samples) 12 FC-144-1000 TruSeq Rapid Exome Library Prep Kit (86 samples) 13 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (48 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (48 samples) 15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (96 samples) 16 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (96 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 19 FC-140-1006 TruSeq PEE DNA Library Prep QC Kit (24 samples) 21 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1007 TruSeq Custom Amplicon Low Input Kit (16 samples) 23 FC-134-2001 TruSeq Custom Amplicon Low Input Kit (16 samples) 24 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (16 samples) 25 IP-202-1012 TruSeq ChIP Sample Preparation Kit - Set B (12 i		7	FC-140-1006					
10 FC-150-1003 TruSeq Exome Library Prep Kit (72 samples) 11 FC-150-1004 TruSeq Rapid Exome Library Prep Kit (8 samples) 12 FC-144-1000 TruSeq Rapid Exome Library Prep Kit (24 samples) 13 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (24 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (72 samples) 15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (72 samples) 16 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (72 samples) 16 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (72 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 19 FC-140-1009 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1007 TruSeq Custom Amplicon Low Input Kit (24 samples) 23 FC-14-2001 TruSeq Custom Amplicon Low Input Kit (26 samples) 24 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (16 samples) 25 IP-202-1012 TruSeq ChIP Sample Preparation Kit		8	FC-150-1001					
11 FC-150-1004 TruSeq Exome Library Prep Kit (96 samples) 12 FC-1444-1000 TruSeq Rapid Exome Library Prep Kit (8 samples) 13 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (48 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (48 samples) 15 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (72 samples) 16 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (96 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 19 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1007 TruSeq Custom Amplicon Low Input Kit (6 samples) 23 FC-134-2001 TruSeq Custom Amplicon Low Input Kit (6 samples) 24 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (6 samples) 25 IP-202-1012 TruSeq Custom Amplicon Low Input Kit (6 samples) 26 IP-202-1012 TruSeq CNIP Library Preparation Kit - Set A (12 indexes, 48 rxns) 26 IP-202-1012 TruSeq DNA Methylation Kit (24 reactions) 28 EGMK81312 TruSeq DNA Methylation Kit (12 reac		9						
12 FC-144-1000 TruSeq Rapid Exome Library Prep Kit (8 samples) 13 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (24 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (48 samples) 15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (48 samples) 16 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (96 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (96 samples) 19 FC-140-1009 Nextera Rapid Capture Custom Enrichment Kit (288 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1007 TruSeq Custom Amplicon Low Input Kit (26 samples) 23 FC-134-2001 TruSeq Custom Amplicon Low Input Kit (66 samples) 24 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (16 samples) 25 IP-202-1012 TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns) 26 IP-202-1024 TruSeq DNA Methylation Kit (12 reactions) 28 EGMK81312 TruSeq DNA Methylation Kit (24 reactions) 29 EGMK81312 TruSeq DNA Methylation Kit								
13 FC-144-1001 TruSeq Rapid Exome Library Prep Kit (24 samples) 14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (24 samples) 15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (72 samples) 16 FC-144-1007 TruSeq Rapid Exome Library Prep Kit (26 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (96 samples) 19 FC-140-1009 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1007 TruSeq Custom Amplicon Low Input Kit (26 samples) 23 FC-134-2001 TruSeq Custom Amplicon Low Input Kit (96 samples) 24 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (16 samples) 25 IP-202-1012 TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns) 26 IP-202-1024 TruSeq DNA Methylation Kit (24 reactions) 29 EGMK91324 TruSeq DNA Methylation Kit (24 reactions) 29 EGMK91326 TruSeq DNA Methylation Kit (24 reactions) 30 EGIDX81121 TruSeq DNA Methylation Index PCR Pr								
14 FC-144-1002 TruSeq Rapid Exome Library Prep Kit (48 samples) 15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (96 samples) 16 FC-144-1004 TruSeq Rapid Capture Custom Enrichment Kit (48 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (96 samples) 19 FC-140-1009 Nextera Rapid Capture Custom Enrichment Kit (288 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1007 TruSeq Custom Amplicon Low Input Kit (2each) 22 FC-134-2001 TruSeq Custom Amplicon Low Input Kit (96 samples) 23 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (16 samples) 24 FC-134-2002 TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns) 26 IP-202-1024 TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns) 27 EGMK81312 TruSeq DNA Methylation Kit (12 reactions) 28 EGMK91324 TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes) 30 EGIDX81312 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)								
15 FC-144-1003 TruSeq Rapid Exome Library Prep Kit (72 samples) 16 FC-144-1004 TruSeq Rapid Exome Library Prep Kit (96 samples) 17 FC-140-1007 Nextera Rapid Capture Custom Enrichment Kit (48 samples) 18 FC-140-1008 Nextera Rapid Capture Custom Enrichment Kit (96 samples) 19 FC-140-1009 Nextera Rapid Capture Custom Enrichment Kit (28 samples) 20 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 21 FC-130-1006 TruSeq Custom Amplicon Filter Plate (1 plate) 22 FC-130-1007 TruSeq Custom Amplicon Library Prep QC Kit (24 samples) 23 FC-130-1007 TruSeq Custom Amplicon Low Input Kit (96 samples) 24 FC-134-2002 TruSeq Custom Amplicon Low Input Kit (16 samples) 25 IP-202-1012 TruSeq ChIP Sample Preparation Kit - Set A (12 indexes, 48 rxns) 26 IP-202-1024 TruSeq DNA Methylation Kit (12 reactions) 28 EGMK81312 TruSeq DNA Methylation Kit (24 reactions) 29 EGMK91324 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes) 31 RS-122-2020 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12 i								
16FC-144-1004TruSeq Rapid Exome Library Prep Kit (96 samples)17FC-140-1007Nextera Rapid Capture Custom Enrichment Kit (48 samples)18FC-140-1008Nextera Rapid Capture Custom Enrichment Kit (96 samples)19FC-140-1009Nextera Rapid Capture Custom Enrichment Kit (288 samples)20FC-130-1006TruSeq Custom Amplicon Filter Plate (1 plate)21FC-130-1007TruSeq Custom Amplicon Filter Plate (1 plate)22FC-121-9999TruSeq Custom Amplicon Low Input Kit (96 samples)23FC-134-2002TruSeq Custom Amplicon Low Input Kit (96 samples)24FC-134-2002TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1012TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes), 1231RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12								
18FC-140-1008Nextera Rapid Capture Custom Enrichment Kit (96 samples)19FC-140-1009Nextera Rapid Capture Custom Enrichment Kit (288 samples)20FC-130-1006TruSeq Custom Amplicon Filter Plate (1 plate)21FC-130-1007TruSeq Index Plate Fixture and Collar Kit (2 each)22FC-121-0999TruSeq Custom Amplicon Low Input Kit (96 samples)23FC-134-2001TruSeq Custom Amplicon Low Input Kit (16 samples)24FC-134-2002TruSeq Custom Amplicon Low Input Kit (16 samples)25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq DNA Methylation Kit (12 reactions)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes, 12 indexes, 12								
18FC-140-1008Nextera Rapid Capture Custom Enrichment Kit (96 samples)19FC-140-1009Nextera Rapid Capture Custom Enrichment Kit (288 samples)20FC-130-1006TruSeq Custom Amplicon Filter Plate (1 plate)21FC-130-1007TruSeq Index Plate Fixture and Collar Kit (2 each)22FC-121-9999TruSeq FFPE DNA Library Prep QC Kit (24 samples)23FC-134-2001TruSeq Custom Amplicon Low Input Kit (96 samples)24FC-134-2002TruSeq Custom Amplicon Low Input Kit (16 samples)25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq DNA Methylation Kit (12 reactions)28EGMK81312TruSeq DNA Methylation Kit (12 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes, 1231RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12		17	FC-140-1007					
19FC-140-1009Nextera Rapid Capture Custom Enrichment Kit (288 samples)20FC-130-1006TruSeq Custom Amplicon Filter Plate (1 plate)21FC-130-1007TruSeq Index Plate Fixture and Collar Kit (2 each)22FC-121-9999TruSeq Custom Amplicon Low Input Kit (24 samples)23FC-134-2002TruSeq Custom Amplicon Low Input Kit (96 samples)24FC-134-2002TruSeq Custom Amplicon Low Input Kit (16 samples)25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12		18	FC-140-1008					
20FC-130-1006TruSeq Custom Amplicon Filter Plate (1 plate)21FC-130-1007TruSeq Index Plate Fixture and Collar Kit (2 each)22FC-121-9999TruSeq FFPE DNA Library Prep QC Kit (24 samples)23FC-134-2001TruSeq Custom Amplicon Low Input Kit (96 samples)24FC-134-2002TruSeq Custom Amplicon Low Input Kit (16 samples)25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91324TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12		40	FO 440 4000	samples)				
20FC-130-1006TruSeq Custom Amplicon Filter Plate (1 plate)21FC-130-1007TruSeq Index Plate Fixture and Collar Kit (2 each)22FC-121-9999TruSeq FFPE DNA Library Prep QC Kit (24 samples)23FC-134-2001TruSeq Custom Amplicon Low Input Kit (96 samples)24FC-134-2002TruSeq Custom Amplicon Low Input Kit (16 samples)25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)31RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12		19	FC-140-1009					
22FC-121-9999TruSeq FFPE DNA Library Prep QC Kit (24 samples)23FC-134-2001TruSeq Custom Amplicon Low Input Kit (96 samples)24FC-134-2002TruSeq Custom Amplicon Low Input Kit (16 samples)25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12		20	FC-130-1006	TruSeq Custom Amplicon Filter Plate (1 plate)				
23FC-134-2001TruSeq Custom Amplicon Low Input Kit (96 samples)24FC-134-2002TruSeq Custom Amplicon Low Input Kit (16 samples)25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12								
24FC-134-2002TruSeq Custom Amplicon Low Input Kit (16 samples)25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12								
25IP-202-1012TruSeq ChIP Library Preparation Kit - Set A (12 indexes, 48 rxns)26IP-202-1024TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12								
indexes, 48 rxns)26IP-202-1024TruSeq ChIP Sample Preparation Kit - Set B (12 indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12								
indexes, 48 rxns)27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12				indexes, 48 rxns)				
27EGMK81312TruSeq DNA Methylation Kit (12 reactions)28EGMK91324TruSeq DNA Methylation Kit (24 reactions)29EGMK91396TruSeq DNA Methylation Kit (96 reactions)30EGIDX81312TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes)31RS-122-2201TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes)32RS-122-2202TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12		26	IP-202-1024					
29 EGMK91396 TruSeq DNA Methylation Kit (96 reactions) 30 EGIDX81312 TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes) 31 RS-122-2201 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes) 32 RS-122-2202 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12				TruSeq DNA Methylation Kit (12 reactions)				
30 EGIDX81312 TruSeq DNA Methylation Index PCR Primers (10 reactions, 12 indexes) 31 RS-122-2201 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes) 32 RS-122-2202 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12								
reactions, 12 indexes) 31 RS-122-2201 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes) 32 RS-122-2202 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12								
Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12 indexes) 32 RS-122-2202 TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12				reactions, 12 indexes)				
Ribo-Zero Human/Mouse/Rat Set B (48 samples, 12		31	RS-122-2201	Ribo-Zero Human/Mouse/Rat Set A (48 samples, 12				
		32	RS-122-2202	TruSeq Stranded Total RNA Library Prep Kit with				

· · · · · · · · · · · · · · · · · · ·	-			
	33	RS-122-2203	TruSeq Stranded Total RNA Library Prep Kit High Throughput (96 samples, 96 indexes)	
	34	RS-122-2301	TruSeg Stranded Total RNA Library Prep Kit with	
			Ribo-Zero Gold Set A (48 samples, 12 indexes)	
	35	RS-122-2302	TruSeq Stranded Total RNA Library Prep Kit with	
			Ribo-Zero Gold Set B (48 samples, 12 indexes)	
	36	RS-122-2303	TruSeq Stranded Total RNA Library Prep Kit with	
			Ribo-Zero Gold High Throughput (96 samples, 96 indexes)	
	37	DO 400 0504		
	57	RS-122-2501	TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero Globin Set A (48 samples, 12 indexes)	
	38	RS-122-2502	TruSeq Stranded Total RNA Library Prep Kit with	
	30	NO-122-2002	Ribo-Zero Globin Set B (48 samples, 12 indexes)	
	39	RS-122-2503	TruSeq Stranded Total RNA Library Prep Kit with	
			Ribo-Zero Globin High Throughput (96 samples, 96	
			indexes)	
	40	RS-122-2401	TruSeq Stranded Total RNA Kit with Ribo-Zero Plant,	
			Set A (48 samples, 12 indexes)	
	41	RS-122-2402	TruSeq Stranded Total RNA Kit with Ribo-Zero Plant,	
			Set B (48 samples, 12 indexes)	
	42	RS-122-2403	TruSeq Stranded Total RNA Kit with Ribo-Zero Plant,	
			High Throughput (96 samples, 96 indexes)	
	43	RPHMR12126	TruSeq Ribo Profile for Mammalian (12 reactions, 12	
			indexes)	
	44	MS-103-1002	MiSeq Reagent Micro Kit v2 (300-cycles)	
	45	MS-103-1001	MiSeq Reagent Nano Kit v2 (300-cycles)	
	46	MS-103-1003	MiSeq Reagent Nano Kit v2 (500-cycles)	

: Terms &Conditions:

- i. E-tendering procedure of two bid system i.e. financial and technical should be followed for quoting the rates / bidding for items.
- ii. This tender document / form may be procured / downloaded from (n)Code Solutions website <u>www.nprocure.com</u> as well as from university 's website <u>www.aau.in/tenders</u> from <u>06-03-2018 upto 26-03-2018, 03:00 P.M.</u>
- iii. The financial bid / quotation rates / bidding rates for these instruments / equipment consumable item(s) has/have to be uploaded / submitted electronically through <<u>www.nprocure.com</u>> only on or <u>before 26-03-2018 4:00 P.M.</u> Vendors should not mention quoted price anywhere in technical bid.
- iv. <u>The price quoted should be inclusive of all kinds of taxes, transportation, installation and commissioning at respective locations of the university and should be valid upto 31st December, 2018.</u>
- v. <u>It mandatory to mention HSN (Harmonized System of Nomenclature) code of</u> respective item in technical bid.
- vi. In case of foreign manufactured equipment / goods the **CIP**, **Anand** rates be quoted in foreign currency which will be paid by Demand Draft of respective foreign currency. The rate quoted should be inclusive of other local charges like agency commission, clearing charges, transportation from port, insurance etc.
- vii. If the rates are quoted in foreign currency, for conversion in INR exchange rate available on RBI's website on the date of opening of commercial bid of the tender shall be considered for comparison.
- viii. No change, addition, alteration in the tender rates on omission / misunderstanding / mistake or any other reasons would be permitted.
- ix. The University is authorized for exemption in Custom Duty / Excise Duty and accordingly the custom duty exemption certificate, if applicable, will be provided by the University to successful bidder.
- x. The total cost must be inclusive of all intended accessories.
- xi. <u>The hard copy of the technical bid should be addressed to</u> "The Unit Officer, Dept. of Agricultural Biotechnology, Anand Agricultural University, Anand 388 110".
- xii. Technical bids for each item should be dispatched in separate envelopes alongwith all necessary documents and DD for Tender Fee and separate EMD for each item.
- xiii. The hard copy of the technical bid should reach this office latest by <u>26-03-2018</u> <u>upto 04:00 P.M.</u> in sealed cover superscripted "Technical Bid for _____" by <u>Registered Post / Speed post only</u>. The technical bid/documents sent through courier or any other mode will not be accepted.
- xiv. **Tender Fee (Non-Refundable):** Tender fee is Rs. 1,500/- for all items except for item mentioned at sr. no. 15 i.e. Rheometer for which Tender fee is Rs. 2,500.00. Vendor quoting for multiple items of the tender may submit single DD of cumulative amount, but not exceeding Rs. 15,000/- and should be paid in the form of Demand Draft (DD) only, in the favour of "Anand Agricultural University Fund Account" payable at Anand.
- xv. Earnest Money Deposit (EMD): EMD amount should be paid item-wise separately as mentioned in the tender document. It may be paid in form of either DD or Pay Order or Bank Guarantee issued from any Nationalized Bank or banks mentioned in GR of Finance Department, GR No.: EMD/10/2016/328/DMO, Dated 01-05-2017 in the favour of "Anand Agricultural University Fund Account".

Note: The vendor/bidder quoting for multiple items of the tender ought to submit EMD amount separately for each item. Single DD/Pay Order/Bank Guarantee of cumulative amount will not be accepted.

- xvi. DD of Tender Fee and DD/Pay Order/Bank Guarantee of EMD have to be scanned and uploaded online. <u>The original documents of Tender Fee & EMD have to be</u> <u>submitted along-with the technical bid</u> to "The Unit Officer, Dept. of Agricultural Biotechnology, Anand Agricultural University, Anand – 388 110".
- xvii. Earnest Money Deposit (EMD) will be refunded to unsuccessful bidders after the deal is finalized. However, the same will be refunded to the successful bidder only after submitting required security deposit for respective items. If EMD is paid in form of Bang Guarantee, it will be refunded after six months only.
- xviii. Bidder should give specification compliance statement point wise showing / highlighting items part no., serial no. as quoted in their quotation for comprehensive technical comparison. Proof of compliance should be mentioned point wise in the catalogue. Failing in compliance and proof of compliance may cause cancellation of the bid without any further notice.
- xix. Valid Manufacturer's / Distributorship's / Dealership's certificate from the principle for the year 2017-18 must be submitted along with quotation.
- xx. Bidder should have a turnover of atleast 50% of the cost of the item for which vendor is bidding during any one of the last two years. The necessary documents related to turnover during last two years be submitted alongwith the technical bid.
- xxi. A copy of the supporting document like, Tin No., PAN No., etc. of the vendor should be enclosed with the quotation / tender.
- xxii. Product quality certification issued by Quality Council of India (QCI), BIS or any other government approved body should be submitted alongwith the technical bid as preference for procurement may be given to such firm / company for respective items.
- xxiii. For imported goods, product quality certificate issued by BIS under FMCS should be submitted. If certification is not provided by BIS then certification issued from internationally acclaimed agency shall be considered.
- xxiv. Those quotations will not be considered for financial bid opening which does not conform to given specifications for respective instrument / item and terms and conditions.
- xxv. The vendor should invariably sign the quotation, general terms and conditions and must be submitted in original.
- xxvi. Necessary items like UPS, Air Conditioner, Computer etc. of suitable capacity, if essentially required, for proper operation of the scientific instrument/equipment must be supplied by the vendor at no additional cost.
- xxvii. As far as possible the technical literature should be furnished along with the quotation.
- xxviii. If any query to the quotation is raised, a written reply must reach this department within specified period through letter / email or as suggested, else the quotation shall be treated as cancelled.
- xxix. All quotations and correspondences should be addressed by designation only and not by name.
- xxx. The supply should be made within the stipulated time as mentioned in the purchase order followed by installation.
- xxxi. The equipment should be installed by the service engineer of the vendor at our site free of cost and the working should be demonstrated including training.
- xxxii. No advance or part payment against the ordered goods will be made till the full order placed is satisfactorily executed.
- xxxiii. List of users of your product and their opinion may also be sent along with their phone number/(s).

- xxxiv. **Warranty:** The standard warranty should be provided for respective items. However, items where warranty period is mentioned in the specifications shall be considered as standard warranty period.
- xxxv. **Training:** Training shall be provided free of cost by the vendor for each instrument quoted, if so desired by the indenter.
- xxxvi. **Security Deposit:** The successful bidder has to deposit 5% of invoice value in the University fund account prior to issue of purchase order by the University/Concerned department/College. This money will remain deposited in University as security deposit till standard warranty period is over or till complete supply of goods in case of consumable items.
- xxxvii. The security deposit in favour of "Anand Agricultural University Fund Account" may be submitted in form of either DD or Pay Order or Bank Guarantee issued by Nationalized Bank or Banks mentioned in GR of Finance Department, GR No.: EMD/10/2016/328/DMO, Dated 01-05-2017
- xxxviii. Rights are reserved with the undersigned to vary number of units, accept the quotation fully or partially and shall not be bound to give reasons for rejecting the whole or part of the quotation.
- xxxix. Quotations/ tenders without Earnest Money Deposit (except from parties exempted for the purpose) for specific item will not be considered.
 - xl. Losses/damage of the instrument in transits, if any, shall be at the risk of the vendor / supplier
 - xli. If the demurrage charges occur due to delay in sending the document/air cargo receipt, the amount of the demurrage will be borne by the vendor / supplier.
 - xlii. All provisions as mentioned in the Gujarat State Purchase Policy 2016, if admissible shall be made available to the vendors.
 - xliii. The technical bid may be opened on **26-03-2018** (tentative) at 17:00 Hrs. for scrutiny followed by commercial bid opening either on the same date or any other next date of completion of technical scrutiny.
 - xliv. In the event of the dispute regarding any matter related to acceptance or rejection of tender or consideration of tender for purchase order, decision of Director of Research or Dean Faculty of PG students of Anand Agricultural University, Anand – 388 110, Gujarat or person /persons authorized by him shall remain final.
 - xlv. For all legal matter court jurisdiction shall be "Anand", Gujarat.

Sd/-Unit Officer Department of Agricultural Biotechnology Anand Agricultural University Anand 388 110

Note: To be returned with the quotation duly sealed and signed by the vendor as acknowledgement of acceptance of the terms and conditions otherwise the quotation will be considered as disqualified.

Signature of Vendor (Rubber Stamp, Address & Phone No.)

Place: Date:

Sr. No.	Check List Documents	Remarks
1	Tender Fee in form of Demand Draft as applicable (Non-Refundable)	Mandatory
2	EMD amount in form of either Demand Draft / Pay Order / Bank Guarantee Item-wise as applicable (Refundable)	Mandatory
3	Signed & Stamped Tender Document	Mandatory
4	Copy of GST Registration	Mandatory
5	Firm / Company Registration attested copy	Mandatory
6	Authorization Letter from OEM	Mandatory
7	Technical specification point-wise compliance statement	Mandatory
8	Copy Permanent Account Number of the bidder firm.	Mandatory
9	Copy of TAN of the bidder firm.	Mandatory
10	Last two (2) financial year's Income Tax returns of the bidder firm.	Mandatory
11	An affidavit / declaration on non-judicial stamp paper of Rs.100/- duly attested by Notary Public	Mandatory
12	Product quality certificate issued by QCI / BIS etc.	Preferable
13	User List / Opinion of users for respective items	Preferable
14	Product catalogue / literature etc.	Preferable

<u>CHECK LIST</u>

(Documents to be submitted physically in Technical Bid)

(TO BE SUBMITTED PHYSICALLY)

AFFIDAVIT

(To be submitted IN ORIGINAL on Non-Judicial Stamp Paper of Rs. 100/- duly attested by First Class Magistrate/ Notary public)

I/We,			, age		years	residing	at
	in	capacity	of		-		M/s
			hereby s	olemnly af	firm that		

- All General Instructions, General Terms and Conditions, as well as Special Terms & Conditions laid down on all the pages of the Tender Form, have been read carefully and understood properly by me which are completely acceptable to me and I agree to abide by the same.
- 2. I/We have submitted following Certificates / Documents for T.E. as requires as per General Terms & Conditions as well as Special Terms & Conditions of the tender.

Sr. No.	Name of the Document
1	
2	
onwards	

- 3. All the Certificates / Permissions / Documents / Permits / Affidavit are valid and current as on date and have not been withdrawn / cancelled by the issuing authority.
- 4. It is clearly and distinctly understood by me that the tender is liable to be rejected if on scrutiny at any time, any of the required Certificates / Permissions / Documents / Permits / Affidavits is / are found to be invalid / wrong/ incorrect / misleading / fabricated / expired or having any defect.
- 5. I/We further undertake to produce on demand the original Certificates / Permissions / Documents / Permits for verificati0on at any stage during the processing of the tender as well as at any time asked to produce.
- 6. I/We also understand that failure to produce the documents in "Prescribed Performa" (wherever applicable) as well as failure to give requisite information in the prescribed Proforma may result in to rejection of the tender.
- My/Our firm has not been banned / debarred / black listed at least for three years (excluding the current financial year) by any Government Department / State Government / Government of India / Board / Corporation / Government Financial Institution in context to purchase procedure through tender.
- 8. I/We confirm that I/We have meticulously filled in, checked and verified the enclosed documents / certificates / permissions / permits / affidavits / information etc. from every aspect and the same are enclosed in order (i.e. in chronology) in which they are supposed to be enclosed Page numbers are given on each submitted document. Important information in each document is "highlighted" with the help of "marker pen" as required.
- 9. The above certificates/ documents are enclosed separately and not on the Proforma printed from tender document.

- 10. I/We say and submit that the Permanent Account Number (PAN) given by the Income Tax Department is ______, which is issued on the name of ______ [Kindly mention here either name of the Proprietor (in case of Proprietor Firm) or mane of the tendering firm, whichever is applicable]
- 11. I/We understand that giving wrong information on oath amounts to forgery and perjury, and I / We am/are aware of the consequences thereof. In case any information provided by us are found to be false of incorrect, you have right to reject our bid at any stage including forfeiture of our EMD/PBG/cancel the award of contract. In this event, this office reserves the right to take legal action on me/us.
- 12. I/We have physically signed & stamped all the above documents along with copy of tender documents (page no._____ to _____)
- 13. I/We hereby confirm that all our quoted items meet or exceed the requirement and are absolutely compliment with specification mentioned in the bid document.
- 14. My/Our Company has not filled any Writ Petition, Court matter and there is no court matter filled by State Government and its Board Corporation, is pending against our company.
- 15. I/We hereby commit that we have paid all outstanding amounts of dues / taxes / cess / charges / fees with interest and penalty.
- 16. In case of breach of any tender terms and conditions or deviation from bid specification other than already specified as mentioned above, the decision of Tender Committee for disqualification will be accepted by us.

Whatever stated above is true and correct to the best of my knowledge and belief.

Date:

Stamp & Sign of the tenderer

Place:

(Signature and Seal of the Notary)