An Roinn Oideachais
Department of Education

BIOLOGY

Equipment List, Specifications andTendering Guidance (BIO)

Planning & Building Unit,
Department of Education Tullamore, Co. Offaly. R35
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Standards, Specifications and Conditions

There are six lists for science equipment, i.e. LAB, RES, BIO, CHE, PHY and AGR.
The provision of science equipment for science laboratories is as follows:

i) One Basic Science List – LAB – for each science laboratory.
ii) One Science Resource List– RES – for each two science laboratories and stored in the Science preparatory room, which links every two laboratories.
iii) One Agricultural Science List – AGR – for each Agricultural Science provision (in addition to i) and ii) above).
iv) One Biology List – BIO – for each Biology provision (in addition to i) and ii) above) f
v) One Chemistry List – CHE –for each Chemistry provision (in addition to i) and ii) above)
vi) One Physics List – PHY – for each Physics provision (in addition to i) and ii) above).
vii) Each laboratory is supplied with a LAB list plus one of the senior science list (i.e. BIO/CHE/PHY/AGR).

Note: Where the symbol ♣ is placed after a substance, a supplier who supplies a greater quantity than requested may be held responsible for removal and disposal of the excess.

All equipment shall be durable and safe for school use.
Equipment wholly or partly funded from public funds is subject to inspection by officers from the Department of Education and Skills.

It is essential that tenders and tenderers for equipment for school use shall:

- Comply fully with the specifications and be durable and safe for school use.
- Comply fully with the standards as detailed and shall comply fully with European Standards (EN), both established and developing.
- Comply with European electrical standards and CE marking as appropriate.
- Fully comply with requirements in the Request for Tenders (RFT) document.
- Be accompanied by documentation of sufficient detail for full evaluation.
- Include the completed and signed certificate of compliance.

Award of a contract is conditional on the production of a current tax clearance certificate.

Failure to comply with the above may result in the tender being deemed null and void.

Section 1: Basic Equipment			
Code **Quantity**	**Descriptions and Specifications**		**Cost €:**
BIO/100 1	Anaerobic jar, polycarbonate, 3.5 L (12 plates) capacity, "O" ring, self-centring cast lid and clamp, input and output Schrader valves, automatic safety valve, pressure gauge, low temperature and plate carrier		
	Manufacturer:	Catalogue No:	
BIO/101 1	Gas generating kits for above, anaerobic, packs of 10.		
	Manufacturer:	Catalogue No:	
BIO/102 1	Gas generating kits for above, carbon dioxide, packs of 10.		
	Manufacturer:	Catalogue No:	
BIO/103 12	Blender, single speed, approx 2000 rpm, 1 Litre capacity, stainless steel container, 230 V		
	Manufacturer:	Catalogue No:	
BIO/104 12	Blender accessory, mini containers for above, stainless steel, with blender assembly, plastic snap-fit lid, to fit in place of standard container, capacity, 250 cm^3		
	Manufacturer:	Catalogue No:	
BIO/105 1	Oven / Incubator, range 20°C – 200°C or nearest, capacity 50 L, number of movable shelves 2 (3 positions), wattage 1000, dimensions H x W x D 33 x 49 x 33 cm or nearest equivalent, 230 V a.c., complete with 2 m three-core cable (note: thermostat and heating elements must be easily replaceable)		
	Manufacturer:	Catalogue No:	
BIO/106 2	Colorimeter, digital, 8 built-in gelatin filters, 10mm cells, range 400 – 710 nm, read out via LCD display. Two year warranty.		
	Manufacturer:	Catalogue No:	
BIO/107 8	Clinostat, electric, with self-starting motor for 230 V, 50 Hz supply. Two year warranty.		
	Manufacturer:	Catalogue No:	
BIO/108 12	Fermentation locks, plastic to include stoppers and flasks.		
	Manufacturer:	Catalogue No:	
BIO/109 12	Level, spirit, aluminium, suitable for suspension on line		
	Manufacturer:	Catalogue No:	
BIO/110 12	Lung volume bag kit, complete disposable mouth pieces. Durable plastic, graduated up to 6 L.		
	Manufacturer:	Catalogue No:	
BIO/111 1	Eyepiece Camera, CMOS digital eyepiece, USB2.0 data transfer interface		
	Manufacturer:	Catalogue No:	
BIO/112 **1**	Visualiser: Min. 13 MP Lens, Up to 4K at 30 fps Video, Built-In Mic, coverage A3 + (533x330mm), USB Interface & Power Connection to a PC or other device which accepts standard video input, flexible swan neck on heavy base, two year warranty		
	Manufacturer:	Catalogue No.:	

BIO/113 12	Model, DNA, pre-built, 3 complete turns of helix made from moulded PVC interlocking components. Shows base pairing and transcription to a short strand of RNA. On stand, dimensions 300 x 85 mm, can be dismantled. In storage containers.		
	Manufacturer:	Catalogue No:	
BIO/114 10	Microscope slides, 75 mm x 25 mm, for routine and student use, box 100 slides		
	Manufacturer:	Catalogue No:	
BIO/115 10	Microscope slide cover slips, box 100.		
	Manufacturer:	Catalogue No:	
BIO/116 12	Binocular microscope, stereoscopic, binocular head inclined at 50°–55° Inter-pupillary distance adjustment; rack and pinion focusing. Eyepieces x10 with x2 and x4 turret objectives. Fitted with top/bottom fluorescent illuminator, for use with 230 V 50 Hz supply. Supplied with dust cover.		
	Manufacturer:	Catalogue No:	
BIO/117 12	Microscope accessory, graticule eyepiece, 15x, indexed 1 cm square for counting, divided into 100 boxes, 1 mm x 1 mm.		
	Manufacturer:	Catalogue No:	
BIO/118 1	Digital Microscope, 2 mega pixels resolution, 20-200 magnification, still capture and video capture, electricity supply 5v DC from USB port, compatible with Windows operating system, approximate microscope size 110mm x 33mm, complete with microscope, stand and calibration ruler		
	Manufacturer:	Catalogue No:	
BIO/119 12	Net, butterfly, collapsible aluminium frame, with ferrule; dimensions approx. 380 x 350mm, complete with fine nylon mesh, 600 mm deep, handle, female threaded joint, lightweight aluminium, 1200 mm.		
	Manufacturer:	Catalogue No:	
BIO/120 12	Net, sweep net bag (tray), fine mesh, elasticated edges stretched over white plastic coated frame, 500 x 500 mm, with handle, 150 mm.		
	Manufacturer:	Catalogue No:	
BIO/121 12	Net, D-shape frame, complete with coarse mesh pond net bag, dimensions 230 x 200mm. Net bag depth 200 mm.		
	Manufacturer:	Catalogue No:	
BIO/122 12	Land invertebrates Guide, illustrating the common indigenous species for easy identification, wipe-clean, laminated and folded, approximately 39 x 24cm		
	Manufacturer:	Catalogue No:	
BIO/123 12	Woodland habitat Guide, illustrating the common indigenous wildlife of specific habitats and include both plants and animals for easy identification, wipe-clean, laminated and folded, approximately 39 x 24cm		
	Manufacturer:	Catalogue No:	
BIO/124 12	Guide to water invertebrates, illustrating the common indigenous species for easy identification, wipe-clean, laminated and folded, approximately 39 x 24cm		

	Manufacturer:	Catalogue No:	
BIO/125 12	Guide to trees and shrubs, illustrating the common indigenous species for easy identification, wipe-clean, laminated and folded,		
	Manufacturer:	Catalogue No:	
BIO/126 12	Guide to common butterflies A3, as well as adult stage, showing forms in egg, larvae and pupae and stages,		
	Manufacturer:	Catalogue No:	

BIO/127 12	Guide to the wild flowers of grassland and hedgerow		
	Manufacturer:	Catalogue No:	
BIO/128 12	Guide to Seashore habitat, illustrating the common indigenous wildlife of the habitat, wipe-clean, laminated and folded, approximately 39 x 24cm		
	Manufacturer:	Catalogue No:	
BIO/129 12	Identification keys – 5 habitats (garden, woodlands, ponds, grassland and hedgerow) 29x24cm laminated		
	Manufacturer:	Catalogue No:	
BIO/130 24	Microbiological inoculating loop with handles, aluminium & nickel plated, brass collar, length 150 mm		
	Manufacturer:	Catalogue No:	
BIO/131 4	Empty petri dishes, sterile, polystyrene disposable, 90 mm x 12 mm, pack of 500.		
	Manufacturer:	Catalogue No:	
BIO/133 12	Peak flow meter, to measure peak expiratory flow, complete with disposable mouth piece.		
	Manufacturer:	Catalogue No:	
BIO/134 12	Mouth pieces, spare, for above.		
	Manufacturer:	Catalogue No:	
BIO/135 12	Quadrat, (25 squares), grid type		
	Manufacturer:	Catalogue No:	
BIO/136 2	Masking tape roll 25 mm		
	Manufacturer:	Catalogue No.:	
BIO/137 1	Pen, Medium Permanent Black (Pack 10) SP06520		
	Manufacturer:	Catalogue No.:	
BIO/138 1	Radish seeds (Pk/100), Cress seeds (Pk/200), Broad Bean Seeds (Pk/100) Pea Seeds (Pk/100)		
	Manufacturer:	Catalogue No.:	

BIO/139 12	Thermometer, soil, spirit or digital, range –10 to 100 °C in aluminium tube, perforated at base which can be pressed into the soil.		
	Manufacturer:	Catalogue No:	
BIO/140 12	Thermometer, digital, general purpose use, including soil measurements, interchangeable probes, supplied with general purpose temperature probe, battery, range -50°C to 150 °C		
	Manufacturer:	Catalogue No:	
BIO/141 12	Penetration probe on PVC cable, suitable for air, liquid, semi-solid, for use with above.		
	Manufacturer:	Catalogue No:	
BIO/142 12	Protective case (boot) for digital thermometer, as above.		
	Manufacturer:	Catalogue No:	
BIO/143 2	Visking dialysing tubing, inflated diameter approx. 14 mm, 5 m long roll		
	Manufacturer:	Catalogue No:	
BIO/144 5	Visking tubing clips, to close up to 29 mm inflated diameter, pack of 10, plastic.		
	Manufacturer:	Catalogue No:	
BIO/145 3	Water bath, shallow to fit boiling tubes, 22 litres capacity, stainless steel interior with removable false base, digital temperature controller and display, stove enamel or plastic finished exterior, temperature range from ambient to 100 °C, stirrer/ control unit mounted on end of bath, user resettable safety cut-out device, 1250 W, 230 V, 50 Hz.		
	Manufacturer:	Catalogue No:	
BIO/146 12	Digital timer/stopwatch, LCD display, count up/down, reading to 0.01 second, with batteries.		
	Manufacturer:	Catalogue No:	
BIO/147 12	Bench lamp complete with LED bulb (approx. 11W /850 lumen), flexible neck for angle-poise, with switch, base weighted for stability, inside of shade finished in white gloss, approximate working height 40 cm, complete with long mains cable.		
	Manufacturer:	Catalogue No:	
BIO/148 6	Balance, electronic, digital display, top-loading, with serial interface: 0 – 300 g × 0.001 g (i.e. to 3 decimal places = 1 mg), zero tare, stainless steel weighing pan, a.c. mains 230 V. Two year warranty. In storage box.		
	Manufacturer:	Catalogue No:	
BIO/149 1	Disposable graduated pipettes, non-sterile, translucent polyethylene, graduated on the stem, capacity 3ml, 0.5ml graduations, pack 500		
	Manufacturer:	Catalogue No:	
BIO/150 6	Variable and fixed volume micropipettes, single channel, click-stop system for digital volume setting to 100µl – 1000 µl / 0.1ml-1ml, ergonomic design plunger movement, high accuracy and precision, supplied with pack of pipette tips		
	Manufacturer:	Catalogue No:	

BIO/151 12	Carbon dioxide gas sensor, range 0-100,000 ppm CO_2 , accuracy 0-1,000 ppm, stored data points memory, data logging, including 250 mL sample bottle *Note: wireless sensor with Bluetooth technology as an option, if selected by the school*		
	Manufacturer:	Catalogue No:	
BIO/152 6	Dissolved Oxygen sensor, range 0 to 20 mg/L, 0 to 300% saturation, to measure concentration (mg/L), Saturation (%), O2 Gas (in air, qualitative) (%), Temperature (°C), including probe storage *Note: wireless sensor with Bluetooth technology as an option, if selected by the school*		
	Manufacturer:	Catalogue No:	
BIO/153 6	pH sensor, range 0-14 pH, accuracy ±0.01 pH with calibration, temperature range 5°C - 60°C, logging, including probe storage bottle and pH sensor storage solution *Note: wireless sensor with Bluetooth technology as an option, if selected by the school*		
	Manufacturer:	Catalogue No:	
BIO/154 12	Temperature sensor, stainless steel probe, temperature range 40°C to 125°C, accuracy 0.5°C, stored data points memory (logging) including 35 day capable battery data collection *Note: wireless sensor with Bluetooth technology as an option, if selected by the school*		
	Manufacturer:	Catalogue No:	
BIO/155 6	Light sensor, range 0-100,000 lux with medium, low and high illumination ranges, measures light level (lux), illuminance, UV Index, and colour intensity *Note: wireless sensor with Bluetooth technology as an option, if selected by the school*		
	Manufacturer:	Catalogue No:	
BIO/156 6	Oxygen Gas Sensor, range 0 to 100 % O_2 concentration; 0 to 1,000,000 ppm, accuracy ±1% O_2 at constant temp and pressure; ±5% O_2 outside operating range, operating temperatures 0 - 40°C. *Note: wireless sensor with Bluetooth technology as an option, if selected by the school*		
	Manufacturer:	Catalogue No:	
BIO/157 6	Hand Grip Heart Rate Sensor, range 0 to 240 beats per minute, Accuracy ± 1 beat per minute, maximum sample rate – every two seconds. *Note: wireless sensor with Bluetooth technology as an option, if selected by the school*		
	Manufacturer:	Catalogue No:	
BIO/158 6	Exercise Heart Rate Sensor, range 0 to 240 beats per minute, Accuracy ± 1 beat per minute, maximum sample rate – every two seconds. *Note: wireless sensor with Bluetooth technology as an option, if selected by the school*		
	Manufacturer:	Catalogue No:	

Section 2: Anatomical Models and Charts			
BIO/200 1 of each	Charts, colour, 660 x 510 mm, plastic lamination: ○ human digestive system; ○ human respiratory system; ○ human heart; ○ human eye; ○ human skin or Alternative 5 charts selected by the school		
	Manufacturer:	Catalogue No:	
BIO/201 1	Pelvis with foetus, life size, 9th month of pregnancy, complete with separate model showing 3rd month of pregnancy for comparison. In 3 parts, mounted on base. Dimensions c.38 x 25 x 40 cm.		
	Manufacturer:	Catalogue No:	
BIO/202 1	Skull of carnivore, dog or equivalent, removable parts, dentition complete.		
	Manufacturer:	Catalogue No:	
BIO/203 1	Skull of herbivore		
	Manufacturer:	Catalogue No:	
BIO/204 12	Human brain model, 4 parts, 14 × 16 × 14 cm with storage box		
	Manufacturer:	Catalogue No:	
BIO/205 12	Model of the heart, two parts, front heart wall removed to reveal the chambers and valves inside, removable base and English key card With storage box		
	Manufacturer:	Catalogue No:	
BIO/206 12	Human kidney model, x3 normal size, ls of right kidney, displaying renal pelvis, renal calix, renal pyramid, Henle's loop, blood vessels, on base, dimensions 20 x 33 x 10 cm With storage box		
	Manufacturer:	Catalogue No:	
BIO/207 1	Dicot root model, showing all tissues, radius 170 mm, thickness 60 mm		
	Manufacturer:	Catalogue No:	
BIO/208 1	Dicot stem model (Helianthus or equivalent), showing all tissues, 380 × 300 × 80 mm		
	Manufacturer:	Catalogue No:	
BIO/209 1	Dicot leaf model showing epidermis, palisade and spongy mesophyll, vascular bundle and stomata, size 150 x 100 x 60 mm.		
	Manufacturer:	Catalogue No:	
BIO/210 1	Woody dicot stem model (Tilia or equivalent), ts, ls and tangential sections, shows development of annual growth rings, 355 x 250 x 60 mm.		
	Manufacturer:	Catalogue No:	
BIO/211 1	Monocot root model (Zea or equivalent), showing all tissues, 340 × 215 × 50 mm		
	Manufacturer:	Catalogue No:	

BIO/2121	Monocot stem model (Zea or equivalent), showing all tissues, 405 × 230 × 50 mm		
	Manufacturer:	Catalogue No:	
BIO/21312	Flower model. Detachable petals, sepals and stamen with anther section, pollen tube. Mounted with key card. c. 430 x 360 x 250 mm. with storage box		
	Manufacturer:	Catalogue No:	
BIO/2141	Human skin section, desk model, enlarged x40 approx., shows 3 layers of scalp and hairless skin with radix pili, sweat glands, Meissners corpuscle, mounted on base, 24 x 3.5 x 15 cm approx.		
	Manufacturer:	Catalogue No:	
BIO/2156	Human eye model enlarged x3, six parts, in storage box		
	Manufacturer		
BIO/2166	Human ear model, enlarged ×3, 6 parts, on a base with storage box		
	Manufacturer:	Catalogue No:	

Section 3: Dissecting Equipment – Biology			
BIO/300 12	Dissecting kit, comprising: 2 scalpel handles, nickel alloy, slotted to accept blades, size no. 4, length 100mm Scalpel blades, surgical quality steel, for use with no. 4 handles, type no. 22, one pack of 5 blades, foil wrapped Scalpel blades, surgical quality steel, for use with no. 4 handles, type no. 21, one pack of 5 blades, foil wrapped 2 needles, aluminium handle 1 seeker, aluminium handle 1 stainless steel forceps, blunt, 125 mm 1 stainless steel forceps, sharp, 125 mm 1 stainless steel scissors, fine, 112 mm 1 stainless steel scissors, blunt, 125 mm 1 instrument tidy roll, canvas or PVC, 13 pockets.		
	Manufacturer:	Catalogue No:	
BIO/301 12	Dissecting board, softwood, raised edges and draining grooves, 450 x 300 mm approx.		
	Manufacturer:	Catalogue No:	
BIO/302 2	Cork, sheets, 5 mm thick, 250 x 100 mm, pack 10		
	Manufacturer:	Catalogue No:	
BIO/303 24	Dissecting awl, stainless steel spike, wooden handle		
	Manufacturer:	Catalogue No:	
BIO/304 1	Dissecting pin, plated steel, length 50 mm, pack 100		
	Manufacturer:	Catalogue No:	
BIO/305 6	Standard formalin rats bulk-packed in vacuum bags for exploring mammalian anatomy. Fully developed animals to display mature organs and organ systems for students to examine skeletal, muscular, and reproductive structures. Length: 175-230mm • Double Colour Injection: Arterial system injected with red latex; a second injection of blue latex in systemic veins • Body plan allows for close comparison to human anatomy		
	Manufacturer:	Catalogue No:	

Section 4: Prepared Microscope slides Biology			
BIO/4006	Artery and vein (combined), ts		
	Manufacturer:	Catalogue No:	
BIO/4016	Normal human blood		
	Manufacturer:	Catalogue No:	
BIO/4023	Eye, vs, entire		
	Manufacturer:	Catalogue No:	
BIO/4033	Eye, retina, vs		
	Manufacturer:	Catalogue No:	
BIO/4046	Intestine (large), ts		
	Manufacturer:	Catalogue No:	
BIO/4053	Kidney, ts		
	Manufacturer:	Catalogue No:	
BIO/4063	Kidney, entire, ls		
	Manufacturer:	Catalogue No:	
BIO/4073	Liver, glandular tissue		
	Manufacturer:	Catalogue No:	
BIO/4083	Mitochondria in liver tissue		
	Manufacturer:	Catalogue No:	
BIO/4093	Nerve, ganglion, ts		
	Manufacturer:	Catalogue No:	
BIO/4103	Nerve, spinal cord, ts, nerve cells, white and grey matter		
	Manufacturer:	Catalogue No:	
BIO/4113	Oesophagus, ts		
	Manufacturer:	Catalogue No:	
BIO/4123	Ovary, ts, mammal		
	Manufacturer:	Catalogue No:	
BIO/4133	Stomach wall, cardiac end, vs		
	Manufacturer:	Catalogue No:	
BIO/4143	Spermatozoa, human sperm smear		
	Manufacturer:	Catalogue No:	
BIO/4153	Testis, ts, rat		
	Manufacturer:	Catalogue No:	
BIO/4163	Amoeba, entire, stained		
	Manufacturer:	Catalogue No:	
BIO/4173	Amoeba, binary fission		
	Manufacturer:	Catalogue No:	
BIO/4183	Chromosomes, male, human, normal		
	Manufacturer:	Catalogue No:	
BIO/4193	Chromosomes, female, human, normal		
	Manufacturer:	Catalogue No:	
BIO/4203	Mitosis, onion root tip		
	Manufacturer:	Catalogue No:	

BIO/4213	Dicot Stem, T.S.		
	Manufacturer:	Catalogue No:	
BIO/4223	Lilium, anthers, T.S. with mature pollen grains		
	Manufacturer:	Catalogue No:	
BIO/4233	Leaf, dicot angiosperm, T.S.		
	Manufacturer:	Catalogue No:	
BIO/4243	Leaf, monocot and dicot, T.S.		
	Manufacturer:	Catalogue No:	
BIO&/4253	Parenchyma cell (plasmolysed)		
	Manufacturer:	Catalogue No:	
BIO/4263	Phloem, Curcubita, ts stem (sieve tubes)		
	Manufacturer:	Catalogue No:	
BIO/4273	Root, monocot, T.S.		
	Manufacturer:	Catalogue No:	
BIO/4283	Root, dicot, mature ,T.S.		
	Manufacturer:	Catalogue No:	
BIO/4293	Xylem, tracheids and vessels		
	Manufacturer:	Catalogue No:	
BIO/4303	Bacillus, coccus and spirillum, comparative slide		
	Manufacturer:	Catalogue No:	
BIO/4313	Bacteria, showing binary fision		
	Manufacturer:	Catalogue No:	
BIO/4323	Saccharomycetes *cerevisiae*, brewer's yeast, budding.		
	Manufacturer:	Catalogue No:	
BIO/4333	Rhizopus *stolonifer*, w.m., with sporangia		
	Manufacturer:	Catalogue No:	
BIO/4343	Rhizopus *stolonifer*, w.m., with zygospores		
	Manufacturer:	Catalogue No:	
BIO/4353	Cancerous cells		
	Manufacturer:	Catalogue No:	
BIO/4363	Human Skin Cells, stained		
	Manufacturer:	Catalogue No:	
BIO/4373	Artery and Vein, T.S. stained		
	Manufacturer:	Catalogue No:	
BIO/4383	Intestine, T.S.		
	Manufacturer:	Catalogue No:	
BIO/4393	Human Duodenum section, T.S. stained		
	Manufacturer:	Catalogue No:	
BIO/4403	Human oral epithelial smear, stained		
	Manufacturer:	Catalogue No:	
BIO/4413	Monocot Stem,T.S.		
	Manufacturer:	Catalogue No:	
BIO/4423	Human scalp LS stained, showing hair follicles, sebaceous and sweat glands		
	Manufacturer:	Catalogue No:	

Section 5: Chemicals and Reagents			
BIO/5004	Agar plates, prepared, starch, pack 10-delay delivery until requested		
	Manufacturer:	Catalogue No:	
BIO/5014	Agar plates, prepared, malt, pack 10- delay delivery until requested		
	Manufacturer:	Catalogue No:	
BIO/5024	Agar plates, prepared, skimmed milk, pack 10- delay delivery until requested		
	Manufacturer:	Catalogue No:	
BIO/5034	Agar plates, prepared, nutrient agar, pack 10- delay delivery until requested		
	Manufacturer:	Catalogue No:	
BIO/5041	Albumen, egg powder, 250 g		
	Manufacturer:	Catalogue No:	
BIO/5052	Albustix strips, protein tests, pack 50		
	Manufacturer:	Catalogue No:	
BIO/5061	Bicarbonate indicator, 500 cm^3		
	Manufacturer:	Catalogue No:	
BIO/5071	Buffer tablets, pH 4, pack 50 tablets		
	Manufacturer:	Catalogue No:	
BIO/5081	Buffer tablets, pH 7, pack 50 tablets		
	Manufacturer:	Catalogue No:	
BIO/5091	Buffer tablets, pH 9, pack 50 tablets, also pH 10, 11, 13-pack 50 each		
	Manufacturer:	Catalogue No:	
BIO/5102	Clinistix strips, glucose testing, pack 50		
	Manufacturer:	Catalogue No:	
BIO/5111	Enzyme, diastase, 25 g		
	Manufacturer:	Catalogue No:	
BIO/5121	Enzyme, pepsin, 250 g		
	Manufacturer:	Catalogue No:	
BIO/5131	Enzyme, trypsin, 250 g		
	Manufacturer:	Catalogue No:	
BIO/5141	Indole-3-acetic acid (IAA), 25 g		
	Manufacturer:	Catalogue No:	
BIO/5151	Agar, nutrient, all purpose, 500 g		
	Manufacturer:	Catalogue No:	
BIO/5161	Lanolin, 500 g		
	Manufacturer:	Catalogue No:	
BIO/5171	Sodium alginate, 100 g		
	Manufacturer:	Catalogue No:	

Equipment for Biology Five Sections			
Section	Code Quantity	Descriptions and Specifications	Total Cost €
Section 1	BIO/100 - BIO/158	Basic Equipment	
Section 2	BIO/200 - BIO/216	Anatomical Models and Charts	
Section 3	BIO/300 - BIO/305	Dissecting Equipment	
Section 4	BIO/400 - BIO/442	Prepared Microscope Slides	
Section 5	BIO/500 - BIO/517	Chemicals and Reagents	
		Sub-total: €	
		Add for VAT: €	
		Total Amount for BIO List: €	