

## Equipment needed for Medical labs department

#	Item	QTY	Unit Price JD	Total Price JD
1	<b>Inverted Fluorescent Microscope for Tissue Culture</b> - For biological and medical purposes - 100 W mercury vapor lamp for fluorescence - 5 W LED transmitted illumination - a set of excitation and emission filters - Brightfield, phase contrast and fluorescence. LWD Plan Fluarex 10x and plan phase fluarex 20x/40x objectives - Revolving quintuple nosepiece - Long working distance IOS plan achromatic objectives - 4-position filter block - Mechanical stage	1		
2	<b>Refrigerated swing bucket centrifuge, with buckets and adapters for 50 ml, 10-15 ml and 5-7 ml tubes.</b>	1		
3	<b>Gradient Thermal Cycler</b> Peltier based technology, 96 wells Aluminum Alloy block, Internal memory for 10000 typical PCR files in free configurable folders, Windows interface, TFT colour touch-screen, Automatic restart after power failure, 96x0.2ml sample capacity, +USB Flash, 0-100°C temperature range, 30-110 °C Hot-lid temperature, 1-30 °C Gradient Range.	1		
4	<b>Oven</b> Approx. 55 liters, temperature range: 5 to 250 °C, Stainless steel interior, Safety thermostat, control panel including digital displays for temp. and time, air jacketed heating system	1		
5	<b>Vertical Laminar Flow Cabinet</b> For tissue culture. Approx. 120 cm width working table made of stainless steel, pre-filter with 85% efficiency for particles $\geq 0.5\mu\text{m}$ , HEPA filter with 99.999% efficiency for particles $\geq 0.3\mu\text{m}$ , control system with digital display for air flow speed, Audible and visible alarm for lower or higher airflow speed, Recirculates HEPA filtered air, Elapsed time counter and 2 power sockets as standard, High light intensity and low noise level, UV light sterilization.	1		
6	<b>Heating Bath</b> Approx. 5 liter bath volume, Temperature range from ambient +5°C to 100°C, stainless steel construction, Dual wait on/off timer modes (1 min to 99 hour 59 min), digital LED display (0.1 °C resolution)	1		
7	<b>Shaking and heating bath</b> Approx. 25 liter bath volume, Temperature range from ambient +5° C to 100° C, LED displays (0.1° C and 1 rpm resolution), Dual wait on/off timer modes (1 min. to 99 hr. 59 min.), Gable cover, Separate control keys for shaker mechanism, Reciprocating motion,	1		

	Speed range 20 to 180 (rpm),			
8	<b>Vortex Mixer</b>	2		
9	<b>Eppendorf Microcentrifuge</b> 24*1.5/2ml, Max. RCF 21,000 x G	1		
10	<b>Variable adjustable volume single-channel pipettes 0.1-2.5 µl</b>	2		
11	<b>Variable adjustable volume single-channel pipettes 2-20 µl</b>	4		
12	<b>Variable adjustable volume single-channel pipettes 10-100 µl</b>	4		
13	<b>Variable adjustable volume single-channel pipettes 100-1000µl</b>	4		
14	<b>Thermo mixer</b> , block for heating, cooling and mixing of eppendorf tubes	1		
15	<b>Analytical balance</b> , capacity up to 220 g, readability down to 0.1 mg, weighing cell with overload protection.	1		
16	<b>Fridge-Freezer.</b> Freestanding, A++, stainless steel, No Frost, Fridge-Freezer with approx. ≥ 220 L fridge volume and ≥ 90 L freezer volume. - With Visual and Audible high temperature warnings, Fast Freezing, Low noise level, Antibacterial lining. - Composed of two compartments with separate doors: Upper fridge compartment, preferably with four glass shelves and Lower Freezer compartment, preferably with three to 4 drawers.	1		
<b>Total Price (JD)</b>				