

Materials List for

Establishment of Patient-derived Xenograft Mouse Model with Human Osteosarcoma Tissues

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Materials

Name	Company	Catalog Number	Comments
10% formalin neutral solution	Wuhan Saiweier Biotechnology Co., Ltd	G1101-500ml	Fix the tissues
Autoclave	Japan Hiriyama Company	HVE-50	Sterilization surgical instruments
BALB/c athymic mice	Shanghai SLAC Laboratory Animal Co., Ltd.	/	Animal
Caliper	Yantai Green Forest Tools Co., Ltd.	034180A	Measure the tumor volume
Dish (60mm)	Shanghai NianYue Biotechnology Co., Ltd	430166, Corning	Sample placment during transplantation
Disinfectant cotton balls	Shanghai Honglong Industrial Co., Ltd.	20230627	Disinfect the skin of mice
Disposable sterile gloves	Guilin Hengbao Health Protection Co., Ltd.	YT21131	Sterile operation
Electronic scale	Shanghai NianYue Biotechnology Co., Ltd	1-2000	Weigh the weight of the tumor
Eosin	Shanghai Gengyun Biotechnology Co., Ltd	E4009-25G	Hematoxylin eosin stain
Hematoxylin	Shanghai Gengyun Biotechnology Co., Ltd	H3136-25G	Hematoxylin eosin stain
Isoflurane	Shenzhen RWD Life Technology Co., Ltd	VETEASY	Mouse anesthesia
Mark pen	Zebra Trading (Shenzhen) Co., Ltd.	YYST5	Mark the surgical incision
Olympus Optical microscope	Japanese Olympus Company	BH20	Scan tissue slices
Ophthalmic ointment	Shanghai Gengyun Biotechnology Co., Ltd	SOICOEYEGRL	Avoid dry eyes of mice during anesthesia
Ophthalmic scissors	Shanghai NianYue Biotechnology Co., Ltd	Y00030 JZ	Cut the skin
Ophthalmic tweezers	Shanghai NianYue Biotechnology Co., Ltd	BS-ZER-S-100 Biosharp	Hold osteosarcoma tissues during transplantation
Paraffin	Jiangsu Shitai Experimental Equipment Co., Ltd.	80200-0015	Buried osteosarcoma tissue

Paraffin slicing machine	Lyca Microsystem (Shanghai) Trading Co., Ltd.	RM2235	Osteosarcoma tissue section
physiological saline	Guangzhou Jinsheng Biotechnology Co., Ltd.	605-004057	Rinse and temporary storage of osteosarcoma tissue
Scalpels	Surgical Instrument Factory of Shanghai Medical Devices (Group) Co., Ltd.	J11010-10# JZ	Separation of osteosarcoma tissue and making surgical incisions
Sterile hood	Thermo Fisher Technology (China) Co., Ltd.	ECO0.9	Surgical operation table
sterile surgical drapes	Henan Huayu Medical Equipment Co., Ltd.	20160090	Provide sterile surgery area
Straight needle holder	Shanghai Gengyun Biotechnology Co., Ltd	J31050 JZ	Suture the wound
Suture line	Shanghai Pudong Jinhuan Medical Products Co., Ltd	F3124	Suture the wound
Suture needle	Shanghai Pudong Jinhuan Medical Products Co., Ltd	F3124	Suture the wound
Tissue protective solution	Nanjing Shenghang Biotechnology Co., LTD	BC-CFM-03	Maintain the activity of tissue cells
Tube (50 mL)	Shanghai Baisai, Biotechnology Co., Ltd.	BLD-BL2002500	Install formalin fixation solution