

# HSC Tissue Laboratory Profile

Updated October 2023

<b>Administration</b>		
Tissue Bank Name:	Tissue Laboratory, Hospital for Sick Children	
Tissue Bank Type:	Cardiovascular Tissue – heart valves, pericardium	
Referral Area:	Provincial	
Address:	555 University Avenue, Room 3677, Toronto, ON	
Contact Information:	Telephone:	416-813-5423
	Fax:	416-813-5433
	<b>On-Call Pager:</b>	<a href="tel:416-713-2258">416-713-2258</a>
	Medical Contact:	<a href="#">Dr. Wendy Lau</a> Telephone: 416- 813-5440 Email: <a href="mailto:wendy.lau@sickkids.ca">wendy.lau@sickkids.ca</a>
	Manager/ Supervisor:	<a href="#">Weeman Wong</a> Telephone: 416- 813-5423 Email: <a href="mailto:weeman.wong@sickkids.ca">weeman.wong@sickkids.ca</a>
Technicians:	<a href="#">Alison O'Leary</a> <a href="mailto:alison.oleary@sickkids.ca">alison.oleary@sickkids.ca</a>	
<b>Criteria</b>		
Donor Age:	Newborn (min. weight 6 lbs) – 60 years old (inclusive)	
Absolute Exclusions for Transplant:	Compliant with AATB and CSA Standards <b>Refer to HSC exclusion criteria in SharePoint</b>	
Absolute Exclusions for Research/ Education:	N/A	
<b>Referral</b>		
Process:	<b>Please use on-call pager to page screener (24/7)</b>	
Special Instructions for TGLN Coordinator:	<ul style="list-style-type: none"> <li>↗ Complete assessment form in full; including donor name, time of de body and hemodilution calculation</li> <li>↗ Highlight any areas of concern in the MSHx</li> <li>↗ Specify if the coroner is involved and convey any special considerations or restrictions and if autopsy pending</li> <li>↗ Ensure consent form remains with the chart and do not release body without contacting TGLN</li> <li>↗ Email completed consent, MSHx and assessment form to the Tissue bank screener</li> </ul>	
<b>Donor Care</b>		
Special Instructions for Hospital Staff:	Transfer body to morgue as soon as possible	
Recommended Recovery Timeframe:	<ul style="list-style-type: none"> <li>↗ If donor is refrigerated within 12 hours, then recovery shall not exceed 24 hours from asystole or cross clamp</li> <li>↗ If donor is not cooled, then recovery shall not exceed 15 hours</li> </ul>	
<b>Testing</b>		
Required Serology Tests:	HBsAg, HBcAb, HCV, anti-HIV 1 & 2, HTLV I & II, RPR, ABO Rh, <a href="#">WNV</a> NAT(performed during mosquito season), NAT testing for HIV-1 & HCV & HBV	

Special Instructions for Serology Specimen Collection:	<ul style="list-style-type: none"> <li>↗ Please take blood samples ASAP, before or after death, and before organ retrieval</li> <li>↗ 1 (7 cc) clotted (red top) blood samples and 2 (7 cc) EDTA (lavender) sample required, pre-transfusion and pre- intravenous fluids preferred</li> <li>↗ Please label blood specimens with TGLN #, initials, date and time drawn</li> </ul>
Additional Tests Required:	<ul style="list-style-type: none"> <li>↗ ECHO report (if available)</li> </ul>
<b>Recovery</b>	
Recovery OR Booking:	TGLN Coordinator will book the operating room and inform the TGLN multi tissue recovery lead of the retrieval start time (this is the OR time booked for recovery)
Coordination of Recovery Personnel:	<ul style="list-style-type: none"> <li>↗ For multi-organ donor, TGLN usually arranges for recovery of cardiac tissue during organ recovery</li> <li>↗ For tissue-only donor, TGLN will coordinate recovery with the TGLN recovery team</li> <li>↗ For OT cases, specifically when lungs are being recovered: TC to request transplant team to leave about 2-3 cm of conduit so HSC can retrieve the aortic and pulmonary valve</li> </ul>
<b>Post Recovery Transport Details</b>	
Instructions provided to TGLN recovery coordinators	<ul style="list-style-type: none"> <li>↗ Blood samples and recovered tissue are to be dropped off at Hospital for Sick Kids, Room 3688-Atrium Wing at the Blood Transfusion Laboratory.</li> <li>↗ You may need to ring the bell to get someone to come to the window</li> </ul>
<b>Family Care</b>	
Key Information About Recovery:	Removal of the whole heart through a midline or a V-like incision
Potential Impact on Options for Funeral:	<ul style="list-style-type: none"> <li>↗ Incision lines might impact the families' choice of clothing for their loved one's burial, and should be explained during the consent process</li> <li>↗ Open casket is possible</li> </ul>
<b>General</b>	
Year Tissue Bank Established:	1989
Specific Tissues of Interest:	Cardiovascular tissue: <ul style="list-style-type: none"> <li>↗ aortic and pulmonary valves with conduit</li> <li>↗ pericardium</li> </ul>
Processing Information:	Aortic & Pulmonary valves retrieved, tissues are disinfected, tissues are packaged and cryopreserved
Storage Information:	Stored in the Tissue Laboratory in the vapor phase of liquid nitrogen, temperatures below -100°C
Distribution Information:	Tissue Laboratory distributes the cardiovascular tissue to hospitals across Canada
Accreditation:	<ul style="list-style-type: none"> <li>↗ In compliance with CSA standards</li> <li>↗ AATB Accreditation valid until March 7, 2022</li> <li>↗ CTO Registration Certificate # 100037</li> </ul>