

**CARDIOPULMONARY BYPASS PERFUSION RECORD**  
**MINISTRY OF HEALTH MALAYSIA**

HOSPITAL: \_\_\_\_\_

NAME				OR:	ELECTIVE / EMERGENCY	DATE:
I/C				DIAGNOSIS:		
R/N		DOB		OPERATION PLANNED:		
GENDER	MALE / FEMALE	AGE		OPERATION PERFORMED:		
ETHNIC						
PERFUSIONIST 1:		ANAESTHETIST 1:		SURGEON :		
PERFUSIONIST 2:		ANAESTHETIST 2:		ASST SURGEON:		

Wt (kg):	Ht (cm):	HCT (%):	BSA (m <sup>2</sup> ):	CI (L/min/m <sup>2</sup> ):
F/F (L/min):	3/4 (L/min):	2/3 (L/min):	1/2 (L/min):	

PRIMING SOLUTION	PRIME	ADD	DRUGS IN PUMP	CIRCUITS
STEROFUNDIN ISO			HEPARIN	HLM Model :
HARTMANN'S			MUSCLE RELAXANT	PUMP
GELATINE BASED FLUID			TRANEXAMIC ACID	ROLLER / CENTRIFUGAL
ALBUMIN			ANTIBIOTIC	OXYGENATOR
PLASMALYTE				MODEL
BLOOD				SERIAL NUMBER
FRESH FROZEN PLASMA				OTHER CIRCUIT DETAILS
MANNITOL				PRE-BYPASS FILTER
			ACT	ARTERIAL FILTER
			PRE-BYPASS	HAEMOFILTER
			ON-BYPASS	VAVD
			POST-BYPASS	LEUKOCYTE FILTER
<b>TOTAL (ml)</b>				

ARTERIAL CANNULATION	TYPE	SIZE	VENOUS CANNULATION	TYPE	SIZE	VENT		
SITE	AORTIC		SITE	2-STAGE		AORTIC ROOT/LV / RSPV / PA		
	FEMORAL			SVC		TYPE & SIZE:		
	SUBCLAVIAN			IVC		CARDIOPLEGIA	TYPE	SIZE
SELECTIVE CEREBRAL PERFUSION			FEMORAL			ANTEGRADE		
ANTEGRADE / RETROGRADE						RETROGRADE		
RIGHT / LEFT						DIRECT		

PRE-BYPASS CHECKLIST	PF 1	PF 2	VAVD	PF1	PF2
1. UPS POWER SUPPLY & BACK UP BATTERY			1. CHECK TUBING NOT KINKED		
2. OXYGEN & AIR WALL SUPPLY			2. RELIEF VALVE AT RESERVOIR PORT		
3. FLOWMETER/BLENDER/ BOBBIN TESTED			3. VACUUM LINE CONNECTED TO VENT PORT		
4. OXYGEN ANALYSER CALIBRATED			4. VACUUM PRESSURE MONITORING LINE CONNECTED		
5. OXYGEN LINE CONNECTED TO OXYGENATOR			5. VACUUM PRESSURE TEST		
6. GAS SCAVENGER CONNECTED					
7. HEATER COOLER FUNCTION CHECKED			<b>CENTRIFUGAL PUMP</b>	PF 1	PF 2
8. HEATER COOLER TEMPERATURE SET			1. DIRECTION OF FLOW SENSOR CORRECT		
9. HEAT EXCHANGER LEAK FREE			2. LOW LEVEL ALARM LINKED TO ARTERIAL OCCLUDER		
10. CORRECT TUBING DIRECTION: MAIN PUMP			3. ARTERIAL OCCLUDER CALIBRATED		
11. CORRECT TUBING DIRECTION: SUCKER, VENT			4. CARDIOPLEGIA PUMP & MAIN ROLLER PUMP UNLINKED		
12. MAIN PUMP INSPECTED & FUNCTIONING					
13. MAIN PUMP CALIBRATED TO TUBING SIZE			<b>INITIATING BYPASS CHECKLIST</b>	PF 1	
14. VENOUS RESERVOIR VENTED			1. ACT ≥ 400 SEC		
15. CIRCUIT PRIMED & DEBUBBLED			2. SUCKER TESTED		
16. CIRCUIT SHUNT OPENED			3. VENT TESTED		
17. CARDIOPLEGIA CIRCUIT CHECKED			4. CIRCUIT SHUNT CLOSED		
18. CARDIOPLEGIA PUMP LINKED TO MAIN PUMP			5. BYPASS TIMER ON		
19. OCCLUSION TEST: MAIN PUMP			6. SET FiO <sub>2</sub> 1.0 & GAS FLOW		
20. OCCLUSION TEST: SUCKER			7. ENSURE ALL ALARMS ON		
21. OCCLUSION TEST: VENT			8. RESERVOIR LEVEL ADEQUATE		
22. OCCLUSION TEST: CARDIOPLEGIA			9. ARTERIAL LINE PRESSURE CHECKED		
23. ALL PRESSURE TRANSDUCERS ZEROED			10. INFORM ONCE FULL FLOW ACHIEVED		
24. HIGH PRESSURE ALARM SET & CUTOFF TESTED(X2)			11. VAPORIZER ON		
25. LOW LEVEL ALARM SET & CUTOFF TESTED			<b>BEFORE OFF BYPASS CHECKLIST</b>	PF 1	
26. AIR BUBBLE ALARM SET & CUTOFF TESTED			1. PATIENT REWARMED		
27. SVO <sub>2</sub> : CALIBRATED			2. PATIENT VENTILATED		
28. TUBING CLAMPS (X8)			3. TABLE LEVELLED		
29. HAND CRANK & TORCH LIGHT AVAILABLE			4. ABG, HCT & ELECTROLYTE ACCEPTABLE		

