



Title: POC iSTAT downtime form

Place Patient Label Here

Name
DOB
MRN
VN

ACTk Therapeutic Ranges

Pre-Heparin Administration	74 – 137 sec
Heparin Monitoring during ECMO procedure	170 – 200 sec
Heparin Monitoring during Cath Lab procedure	> 200 sec
Perfusion on Cardiopulmonary	> 500 sec
Range for Sheath Pull	< 150 sec

Venous Reference Ranges:

Analytes	Age	Unit	Male	Female
pH	0-150 yrs		7.31-7.41	7.31-7.41
PCO ₂	0-2days	mmHg	34 - 47	34 - 47
	2days-2yrs		34 - 48	34 - 48
	2yrs-150yrs		41 - 51	41 - 51
PO ₂	0-150yrs	mmHg	20 - 40	20 - 40
HCO ₃ ⁻	0-150yrs	mmol/L	22.0 - 29.0	22.0 - 29.0

Arterial Reference Ranges:

Analytes	Age	Unit	Ranges
pH	0-150 yrs		7.35 – 7.45
PCO ₂	0 – 2yrs	mmHg	27 – 40
	2yrs – 150yrs M		32-48
	2yrs – 150yrs F		31 – 48
PO ₂	0min – 5mins	mmHg	8 – 20
	5mins – 1 hr		31 – 94
	1hr – 3 hrs		55 – 95
	3 hrs – 1 day		54 – 93
	1 day – 1 mo		60 – 70
	1 mo – 59 yrs		83 – 108
	59 yrs – 89 yrs		75 – 85
	89 yrs – 150 yrs		66 – 74
HCO ₃ ⁻	0days – 2 yrs	mmol/L	16.0 – 23.0
	2 yrs – 150 yrs		21.0 – 28.0

Venous and Arterial ranges:

Analytes	Age	Unit	Male	Female
BE, B ⁺	0-150yrs	mmol/L	(-)2 - 2	(-)2 - 2
Total CO ₂	≤1d	mmol/L	13-22	13-22
	2d-18 yrs	mmol/L	20-28	20-28
	19-60yrs	mmol/L	22-28	22-28
	61-150yrs	mmol/L	23-31	23-31
sO ₂ [*]	0-150yrs	%	95 - 98	95 - 98
Sodium (Na)	0-150yrs	mmol/L	135 - 145	135 - 145
Potassium (K)	0-150yrs	mmol/L	3.5 - 5.1	3.5 - 5.1
Ionized Calcium (iCa)	0-18yrs	mmol/L	0.95 - 1.30	0.95 - 1.30
	18yrs-150yrs		1.15 - 1.32	1.15 - 1.32
Glucose (Glu)	0-1mos	mg/dL	60 - 100	60 - 100
	1mos-150 yrs		60 - 100	60 - 100
Creatinine (Crea)	0-150 yrs	mg/dL	0.7 – 1.6	0.5 – 1.1

Critical results will have ↑↓ symbols beside them.
Notify Provider and document on HIS

☐ UH

☐ RBG

Ordering Physician: _____

Venous and Arterial ranges:

Analytes	Age	Unit	Male	Female
Hemoglobin * (Hgb)	0-2wks	g/dL	13.9 - 19.1	13.9 - 19.1
	2wks-1mos		10.0 - 15.3	10.0 - 15.3
	1mos-2mos		8.9 - 12.7	8.9 - 12.7
	2mos-6mos		9.6 - 12.4	9.6 - 12.4
	6mos-2yrs		10.1 - 12.5	10.1 - 12.5
	2yrs-6yrs		10.2 - 12.7	10.2 - 12.7
	6yrs-12yrs		10.7 - 13.4	10.7 - 13.4
	12yrs-18yrs		11.0 - 14.5	11.0 - 14.5
	18yrs-150yrs		12.8 - 17.0	12.8 - 17.0
	0-2wks		39.8 - 53.6	39.8 - 53.6
Hematocrit (Hct)	2wks-1mos	%	30.5 - 45.0	30.5 - 45.0
	1mos-2mos		26.8 - 37.5	26.8 - 37.5
	2mos-6mos		28.6 - 37.2	28.6 - 37.2
	6mos-2yrs		30.8 - 37.8	30.8 - 37.8
	2yrs-6yrs		31.0 - 37.7	31.0 - 37.7
	6yrs-12yrs		32.2 - 39.8	32.2 - 39.8
	12yrs-18yrs		33.9 - 43.5	33.9 - 43.5
	18yrs-150yrs		38.6 - 52.1	38.6 - 52.1

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