

CONSTITUENT		NORMAL RANGE
Newborn Arterial:		
(normal full-term infants 1 - 96 hr.)		
pH	units	7.30 - 7.39
PaCO ₂	mmHg	32 - 39
PaO ₂	mmHg	62 - 87
HCO ₃	mEq/Liter	18.8 - 21.4
tCO ₂	mEq/Liter	23 - 29
Newborn Venous:		
pH		7.20 - 7.29
PaCO ₂		44 - 51
HCO ₃		25.9 - 30.0
Newborn Capillary:		
pH		7.35 - 7.45
PCO ₂		26.4 - 41.2
HCO ₃		15.5 - 24.2
Umbilical Arterial:		
pH		7.20
pCO ₂		60
pO ₂		20
HCO ₃ (3)		19.8 - 24.8
tCO ₂ (3)		14 - 22
Umbilical Venous:		
pH		7.31 - 7.37
pCO ₂		28 - 40
pO ₂		21 - 31
HCO ₃ (3)		16.3 - 24.5
tCO ₂ (3)		14 - 22
Fetal Scalp:		
pH		7.25 - 7.35

references available upon request