






# Arterial blood gas

Entity: Cluster

<b>Concept description:</b>		<b>Identification:</b>			
unknown		<i>Id:</i> openEHR-EHR-CLUSTER.arterial_blood_gas.v0 <i>Reference model:</i> openEHR_EHR			
<b>Purpose</b>	<b>Use</b>	<b>Misuse</b>	<b>Copyright</b>	<b>References</b>	<b>Contact</b>
For Eurotransplant in COLD (donor) thoracic reports	To record arterial blood gas values. Normally used in conjunction with the containing Blood gas at FIO2=1.0 after lung recruitment (Cluster) archetype, which is again used in conjunction with the Laboratory Test Panel (Cluster) archetype				

Concept	Description	Constraints	Values
 PEEP	positive end-expiratory pressure	<b>Count</b> 0..1	*
 pH	Digit (1decimal) in cm H2O	<b>Quantity</b> 0..1	Property = Pressure Units = cm[H2O];
 paO2	Digit (1decimal) in mmHg/KPa, temperature corrected	<b>Quantity</b> 0..1	Property = Pressure Units = mm[Hg];
 paCO2	Digit (1decimal) in mmHg/KPa, temperature corrected	<b>Quantity</b> 0..1	Property = Pressure Units = mm[Hg];
 HCO3-	Digit (1decimal) in mmol/l, temperature corrected	<b>Quantity</b> 0..1	Property = Concentration Units = mmol/l;

<b>Q Base-Excess</b>	Digit (1decimal) in mmol/l, temperature corrected	<b>Quantity</b> 0..1	Property = Concentration Units = mmol/l;
<b>Q O2 Saturation</b>	*	<b>Quantity</b> 0..1	Property = Qualified real Units = %;
<b>Q pH at 100% O2</b>	*	<b>Quantity</b> 0..1	Property = Pressure Units = mm[H2O];
<b>Q PaO2 at 100% O2</b>	*	<b>Quantity</b> 0..1	Property = Pressure Units = mm[Hg]; Units = kPa;
<b>Q PaCO2 at 100% O2</b>	*	<b>Quantity</b> 0..1	Property = Pressure Units = mm[Hg]; Units = kPa;
<b>Q HCO3- (Bicarbonate) at 100% O2</b>	*	<b>Quantity</b> 0..1	Property = Concentration Units = mmol/l;
<b>Q Base Excess at 100% O2</b>	*	<b>Quantity</b> 0..1	Property = Concentration Units = mmol/l;
<b>Q O2 Saturation at 100% O2</b>	*	<b>Quantity</b> 0..1	Property = Qualified real Units = %;