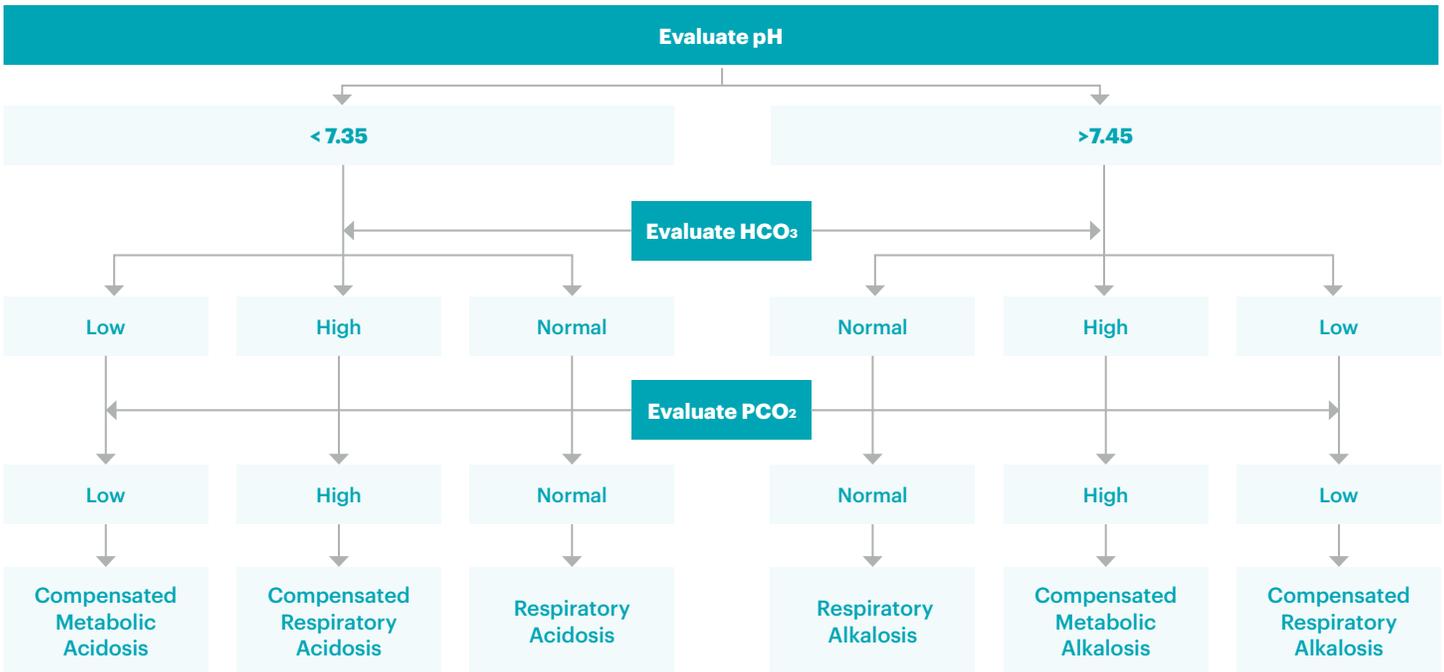


BLOOD GAS & ELECTROLYTE ANALYZER – LAB SYSTEMS

Element POC[™]

Approach to Acid-Base Disturbances



Common Causes for Acid-Base Disturbances

METABOLIC ACIDOSIS	RESPIRATORY ACIDOSIS
<ul style="list-style-type: none"> Renal failure Ketoacidosis Lactic acidosis Ethylene glycol toxicity Obstructive uropathy Hypoadrenocorticism (Addison's disease) Diarrhea, vomiting 	<ul style="list-style-type: none"> Pulmonary edema Thoracic trauma Bronchial obstruction CNS trauma or disorders Pneumothorax Pleural effusion Pneumonia
METABOLIC ALKALOSIS	RESPIRATORY ALKALOSIS
<ul style="list-style-type: none"> Prolonged vomiting Gastric outflow obstruction Excessive diuretic therapy Exogenous HCO₃ Excessive cortisol and mineralocorticoid Hyperadrenocorticism (Cushing's syndrome) 	<ul style="list-style-type: none"> Excessive positive pressure ventilation Anxiety, excitement, pain CNS trauma Severe anemia Congestive heart failure Hypotension

For questions or further assistance, please call
Heska's Technical Support Services at **1-800-464-3752**.