



Did you know?

There is a quicker way to determine if hypercalcemia is associated with cancer

PTH₁₋₈₄ CALCEMIA PANEL

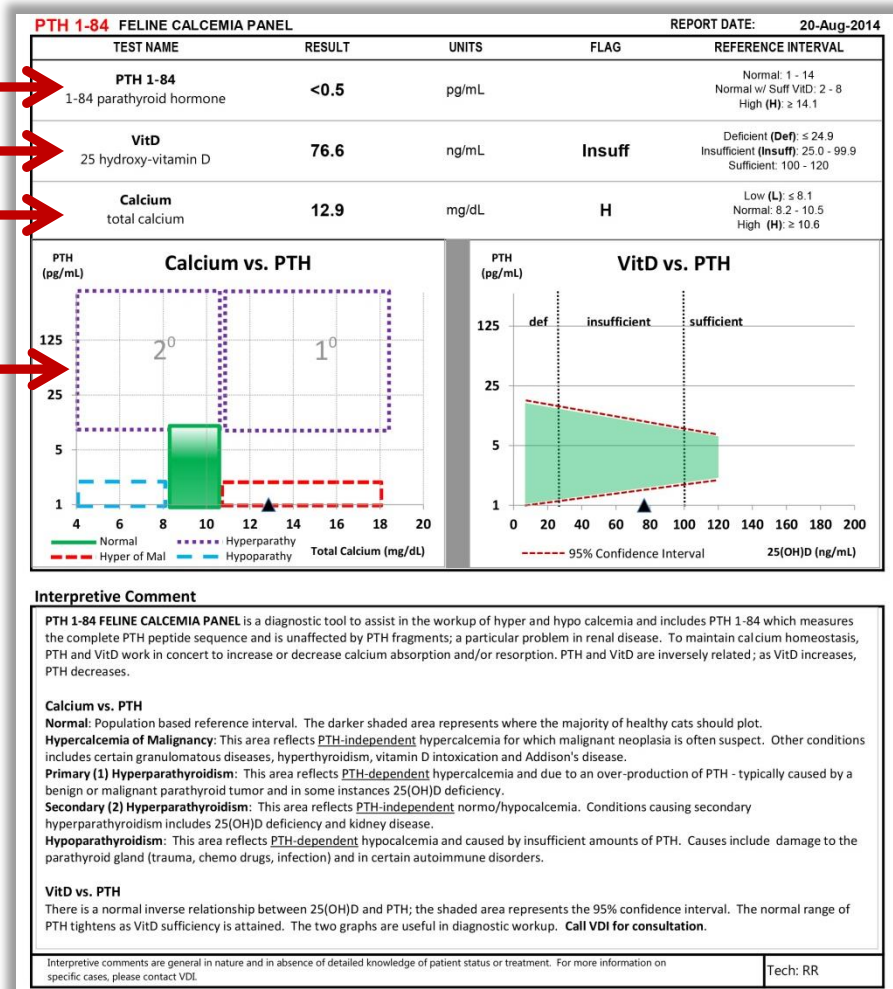
Clinical Lab Report *example*

Parathyroid Hormone (PTH₁₋₈₄)

Vitamin D (VitD)

Calcium (total calcium)

Identify cause of hypo/hypercalcemia



*Reference intervals shown are for felines only. Canine references may be different.



VDI Your Specialty Reference Lab

www.VDILab.com | (805) 577-6742

Hyper/hypocalcemia diagnostic assessment

Clinical Background

Calcemia Panel

As the only test on the market to offer the latest generation PTH assay, the PTH1-84 calcemia panel is able to help quickly sort out disorders that cause increased or decreased levels of calcium in the blood.

Test Information:

Sample Type: Serum >1mL

Interferences: Gross lipemia
Gross hemolysis

Stability: 4°C: 4 hours
-20°C: 1 month

Reference Ranges:

	Canine	Feline
*PTH₁₋₈₄ (pg/mL):		
Normal	4 - 38	1 - 14
with suff VitD	4 - 15	2 - 8
High	≥38.1	≥14.1
VitD (ng/mL):		
Deficient	≤24.9	≤24.9
Insufficient	25.0 - 99.9	25.0 - 99.9
Sufficient	100 - 120	100 - 120
Ca (mg/dL):		
Low	≤8.5	≤8.1
Normal	8.5 - 12.0	8.2 - 10.5
High	≥12.1	≥10.6

**PTH 1-84 is the latest generation of PTH assays that measures the complete 1-84 sequence and therefore eliminates all cross-reactivity to PTH fragments. This assay is now available from VDI for both cats and dogs. PTH 1-84 is offered exclusively by VDI and is used in the Calcemia Panel, a 3-test panel that provides fast classification of canine or feline hypo/hypercalcemia, or as a standalone test.*

Hyper/hypocalcemia

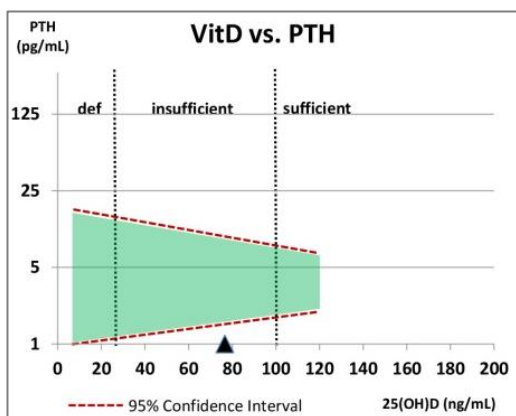
is caused by many diseases, each parathyroid hormone (PTH) dependent or independent. PTH measurement therefore becomes vital in the diagnostic workup.

Hypocalcemia		Hypercalcemia	
PTH Dependent	PTH Independent	PTH Dependent	PTH Independent
<ul style="list-style-type: none"> Parathyroid gland damage (trauma, chemo drugs, infection) Various autoimmune disorders 	<ul style="list-style-type: none"> 25(OH) deficiency Kidney disease 	<ul style="list-style-type: none"> Benign or malignant parathyroid tumor 	<ul style="list-style-type: none"> Malignant neoplasia Granulomatous diseases Hyperthyroidism Vitamin D intoxication Addison's disease



Calcemia Panel

is a 3-test panel, that provides fast classification of canine or feline hyper/hypocalcemia. This panel measures and interprets interrelationships between three biomarkers: **Vitamin D**, **Calcium** and the VDI exclusive **PTH₁₋₈₄**, the latest generation PTH assay that measures the complete 1-84 sequence eliminating all cross-reactivity to PTH fragments.



Vitamin D vs. PTH

Quickly assess if hyper/hypoparathyroidism is due to vitamin D insufficiency

Calcium vs. PTH

Rapid root-cause classification of hyper/hypocalcemia

