



For use  
outside the  
U.S. only

# Atellica Solution

## Bone Metabolism Assays

The global incidence of osteoporosis has increased dramatically over the past several decades with rising life expectancy, and over 200 million people suffer from osteoporosis worldwide. Calcium regulation is an important part of bone metabolism and is also required for many other basic body functions, such as cell function, blood clotting, and neural transmission. The body regulates calcium through the parathyroid hormone (PTH), vitamin D, and, to a lesser extent, calcitonin.



### Immunoassay

Intact PTH

Vitamin D Total

### Help clinicians better manage patients with the Atellica® Solutions bone metabolism assays.

- Reduce lot-to-lot variability with the Intact PTH and Vitamin D Total Assays, which are designed with a monoclonal antibody format and kitted calibrators.
- Give clinicians confidence in 25(OH)vitamin D testing with traceability to the ID-LC-MS/MS reference measurement procedure (RMP) and no biotin interference.
- Offer rapid intraoperative Intact PTH results with a fast 10-minute time to first result.

The Atellica Solution provides a broad and expanding menu to help your lab drive better clinical and business outcomes. The Atellica® IM Analyzer uses proven advanced acridinium ester (AE) technology, with over 50 patents granted or pending.

Product availability may vary by country.

## Assay Parameters

Assay	Sample Type	Sample Volume	Time to First Result	Measuring Interval	Detection Capabilities	Onboard Stability	Lot Calibration Interval
Intact Parathyroid Hormone (PTH)	Serum Lithium heparin plasma Sodium heparin plasma EDTA plasma	25 µL	10 minutes	4.6–2000.0 pg/mL (0.5–212.0 pmol/L)	LoB: 1.4 pg/mL (0.15 pmol/L) LoD: 1.5 pg/mL (0.16 pmol/L) LoQ: ≤4.6 pg/mL (0.5 pmol/L)	28 days	91 days
Vitamin D Total (VitD)	Serum Lithium heparin plasma Sodium heparin plasma EDTA plasma	20 µL	14 minutes	4.2–150.0 ng/mL (10.5–375.0 nmol/L)	LoB: 1.26 ng/mL (3.15 nmol/L) LoD: 2.73 ng/mL (6.83 nmol/L) LoQ: 2.73 ng/mL (6.83 nmol/L)	28 days	28 days

## Method Comparisons

Assay	Specimen	Comparative Assay (x)	Regression Equation	Sample Interval	n	r
Intact Parathyroid Hormone (PTH)	Serum	ADVIA Centaur® PTH	$y = 1.02x - 0.89$ pg/mL ( $y = 1.02x - 0.09$ pmol/L)	5.22–1862.09 pg/mL (0.55–197.38 pmol/L)	150	1.00
Vitamin D Total (VitD)	Serum	ADVIA Centaur Vitamin D	$y = 1.05x + 2.16$ ng/mL ( $y = 1.05x + 5.40$ nmol/L)	5.79–134.54 ng/mL (14.48–336.35 nmol/L)	118	0.99

## Ordering Information

Atellica IM Intact PTH	SMN No.	Tests per Kit	Contents
Atellica IM Intact PTH	10995621	190	1 ReadyPack®; 1 vial low calibrator; 1 vial high calibrator
Atellica IM Intact PTH	10995622	950	5 ReadyPacks; 2 vials low calibrator; 2 vials high calibrator
Atellica IM PTH QC	10995626		2 x 1.0 mL quality control level 1 2 x 1.0 mL quality control level 2 2 x 1.0 mL quality control level 3
Atellica IM Multi-Diluent 13	10995643		2 ReadyPack ancillary reagent packs containing 10.0 mL/pack
Atellica IM PTH MCM	10995625		5 x 1.0 mL levels of master curve material

Atellica IM VitD	SMN No.	Tests per Kit	Contents
Atellica IM VitD	10995719	100	1 ReadyPack; 1 vial low calibrator; 1 vial high calibrator
Atellica IM VitD	10995720	500	5 ReadyPacks; 2 vials low calibrator; 2 vials high calibrator
Atellica IM VitD QC	10995724		3 x 2.0 mL quality control level 1 3 x 2.0 mL quality control level 2
Atellica IM VitD DIL	10995721		2 ReadyPack ancillary reagent packs containing 25.0 mL/pack
Atellica IM VitD MCM	10995723		5 x 2.0 mL levels of master curve material

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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