

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922) 49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Ижевск (3412)26-03-58
Иваново (4932)77-34-06
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Ноябрьск (3496)41-32-12
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

Россия (495)268-04-70

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Сургут (3462)77-98-35
Тамбов (4752)50-40-97

Казахстан (772)734-952-31

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

<https://osteosys.nt-rt.ru> || oys@nt-rt.ru

Рентгеновский стол PRIMUS



PRIMUS is a whole body analyzer for the BMD(Bone Mineral Density), body composition, skeletal morphology, and Sarcopenia by scanning the whole body or a specific area of the body with its cutting edge Dual X-ray Absorptiometry(DXA) technology.

16 Channel Whole Body DXA for BMD and Body Analysis

State-of-the-art DXA Whole Body Scanning System



PRIMUS quantitatively analyzes the BMD, lean mass and fat mass. You can help your patients to keep their whole body balance and to maintain a healthier life by following the process of continuing diagnosis and management.

- **Optimized Narrow Fan Beam DXA Technology**

Based on the optimized fan beam DXA technology, PRIMUS is leading a new design trend of medical devices with its combination of sophisticated feature and a cutting-edge touch-type console panel

Patient-Oriented Scan Table

A specially devised height of the bed helps the senior patients and those with relatively low height to lie down comfortably, so that they can complete their examination safely.



- **Multi-channel Detectors for Wide and Fast Scan**

Because the multi-channel detectors enable to cover a wide area with higher speed, it can measure the whole body of a patient efficiently.

Convenient Examination

Along with its widened scan area, PRIMUS shortens the examination time with a higher scan speed resulting to a more convenient examination process.



- **High Resolution for Skeletal Morphological Analysis**

Besides the BMD analysis, you can perform the various skeletal morphology analysis by utilizing OsteoSys's exclusive high-resolution image analysis functions.

TBS(Trabecular Bone Score) on Primus

TBS iNsight™ is a software tool that installs on Primus. This simple, rapid and reproducible method estimates fracture risk based on a determination of bone texture (an index correlated to bone microarchitecture). The result is expressed as a Trabecular Bone Score (TBS). It requires no additional scan time or additional radiation exposure nor extra work for the technician. Once the spine scan is completed on Primus, TBS results are displayed automatically within seconds.

From Osteoporosis to Sarcopenia and Obesity

The body composition function can quantitatively measure the bone, fat, and lean mass respectively and calculate the weight of a patient by adding up all the data of these elements. Moreover, it helps the diagnosis of Osteoporosis, Sarcopenia, obesity and Lipodystrophy.



Specification

Measurement Type	Whole body DXA (Total body Composition and assessment)
Measurement Method	Narrow fan beam
Scan site	Whole body, AP spine, Femur(Dual femur), Forearm, Lateral spine, LVA(VFA)
Scan area	2020 × 580mm / 2020 × 620mm(Optional)
Scan time	AP spine – 30Sec. (± 2Sec.) Femur – 25Sec. (± 2Sec.) Forearm – 23Sec. (± 2Sec.) Whole body : 7Min.(Ergonomic) / 11min.(Standard mode) * Depends on height
Reproducibility	≤ 1.0% C.V.
Measured parameter	BMD, BMC, BMI, T-score, Z-score, Area, Total body BMD, Total body Composition(Fat/Lean/BMC), HA(Hip Analysis), Dual femur Total body composition and various whole body assessment Orthopedics / Pediatrics / FRAX / B-Scope(body-Scope) / Color mapping / Ergonomic scan / Trend report / DICOM & PACS
Dimension	(W)2784mm × (D)1045mm × (H)1258mm (Standard) (W)2284mm × (D)1045mm × (H)1258mm (SB)
Table height	650mm
Weight	210kg
Power consumption	110VAC / 220VAC(+/- 10%)

Article

- [Advanced Wholebody DXA: Primus](#)

Article	Obesity in childhood:how to improve male adolescence incoming
Source	Journal: Minerva Endocrinologica (New title: Minerva Endocrinology) Issued Year: 2021

- [Advanced Wholebody DXA: Primus](#)

Article	Potential Effects of a Modified Mediterranean Diet on Body Composition in Lipoedema
Source	Journal: Nutrients 2021, 13, 358. Issued Year: 2021

- [Advanced Wholebody DXA: Primus](#)

Article	Effects of bisphosphonate on pregnancy and lactation-associated osteoporosis
Source	Journal: CHIN J OSTEOPOROS BONE MINER RES Vol. 13 No. 4 July 10, 2020 Issued Year: 2020

- [Advanced Wholebody DXA: Primus](#)

Article	Effect of alginate oligosaccharide on D-Galactose-Induced osteoporosis in mice.
Source	Journal: Journal of Qingdao University (Medical Sciences), Vol. 56, No.3, June 2020 Issued Year: 2020

- [Advanced Wholebody DXA: Primus](#)

Article	The role of IL-6 gene polymorphisms in the risk of lipedema
Source	Journal: European Review for Medical and Pharmacological Sciences 2020; 24: 3236-3244 Issued Year: 2020

- [Advanced Wholebody DXA: Primus](#)

Article	Comparison of zoledronic acid and salmon calcitonin in treatment of osteoporosis after PKP
Source	Journal: Chinese Journal of New Clinical Medicine, February 2020, Volume 13, Number 2 Issued Year: 2020

- [Advanced Wholebody DXA: Primus](#)

Article	Quantitative computed tomographic evaluation of bone mineral density in beagle dogs: comparison with dual-energy x-ray absorptiometry as a gold standard
Source	Journal: J. Vet. Med. Sci. 80(4): 620–628, 2018 Issued Year: 2018 Source: https://www.jstage.jst.go.jp/article/jvms/80/4/80_17-0428/_article

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922) 49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Ижевск (3412)26-03-58
Иваново (4932)77-34-06
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижегород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Ноябрьск (3496)41-32-12
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

Россия (495)268-04-70

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Сургут (3462)77-98-35
Тамбов (4752)50-40-97

Казахстан (772)734-952-31

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

<https://osteosys.nt-rt.ru> || oys@nt-rt.ru