



NeuroCom®
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VSR™ SPORT

Play a Smarter Game.™



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VSR™ SPORT is a portable, easy-to-use solution for assessing balance objectively, ideal for athletic trainers, sports medicine practitioners, physical therapists and physicians who want to optimize athletic performance, speed rehabilitation, and make safer play and return-to-play decisions following any mild traumatic brain injury.

Balance assessment has been identified as one of three essential elements of a successful concussion management program.

VSR SPORT was designed specifically for the athletic market by NeuroCom®, the world leader in balance and mobility solutions. For VSR SPORT, NeuroCom has developed SET (Stability Evaluation Test) to measure postural sway and bundled it with four other protocols to enable users to objectively assess an athlete's functional balance control across multiple stances.

Balance – so essential, so miraculous – is the foundation of any athlete's performance. The ability to execute rapid-fire movements, change direction and speed, and hold a steady gaze while running and turning the head all rely on balance. Yet assessing an athlete's balance strengths and deficits, the better to improve performance, prevent injuries, and make informed decisions around concussion management, has been difficult and subjective. Until now - with the new NeuroCom VSR SPORT.

BETTER DATA, BETTER DECISIONS.

Benefits for your concussion management program:

- **Create baseline assessments:** Know before you let an athlete play how stable they are. Establish a database for measuring an athlete's performance progress or injury impact. A reference database is also available for comparison to peers.
- **Improve concussion care and make safer play and return-to-play decisions:** Base decisions on objective assessments of postural control and sway velocity -- data that can't be hidden or under-reported, no matter how eager an athlete is to get back to play.
- **Safeguard athletes' long-term health:** Reduce the possibility of second-impact syndrome following concussion and subsequent permanent damage by utilizing the Rule of Three: Symptoms, Cognitive and Balance assessments. These assessments help to make the most objective decision possible for returning an athlete to play.

Move Beyond the Sidelines

With VSR SPORT you can also:

- **Measure off-the-block reaction time, speed and accuracy** and compare results to baseline data or between athletes using LOS (Limits of Stability).
- **Identify subtle ankle, hip and knee instabilities** and otherwise unseen compensations that might put athletes at risk for overuse injuries (by relying too heavily on one leg) or injury due to mild instabilities (shifting off the unstable side) using WBS (Weight Bearing Squat).
- **Optimize performance** by testing mental focus and physical control, maximum efficiency of movement, safety with explosive trajectories or quick cuts using the latest protocol designed specifically for the athletic market from NeuroCom: SET (Stability Evaluation Test).
- **Customize rehabilitative programs** with progressive weight-bearing exercises for strengthening ankle, knee, hip and lumbar stability with Custom Training.
- **Train more effectively:** Document gains or changes objectively and reinforce program safety and effectiveness utilizing NeuroCom's training package.

VSR Sport Specifications:

Components

- NeuroCom® Balance Manager® software suite
- 18" x 30" static force plate
- Windows-based laptop computer
- Portable case
- Wireless mouse
- Medical-grade isolation power supply

Accessories included:

- Foam pad: 16 x 30 x 2 in (41 x 76 x 5 cm)

Options available:

- System cart : 25 x 24 in x 44-57 in*
64 x 61 cm x 112-145 cm*
*Min.-max. monitor extension height
- Foam pad: 18 x 18 x 5 in (46 x 46 x 13 cm)
- Color printer

*Additional options/configurations are available.
Contact NeuroCom for more information.*



Electrical characteristics:

- 100-240 VAC / 50-60 Hz / 500 W
- ETL listed to UL60601-1
- ETL listed to CAN/CSA No. 601.1
- Compliant to CE standards



Physical Dimensions

(W x D x H)	in	cm
Force plate	18 x 30 x 2	46 x 76 x 5
Min. footprint required	36 x 78	92 x 199
(Weight)	lb	kg
Max. patient weight	500	227
Total system weight	70	32
Packaged weight	75	34

Specifications subject to change without notice.

Standardized Assessment Protocols:

NEW Stability Evaluation Test (SET) The SET protocol provides objective analysis of the athlete's functional balance control based on the individual's postural sway velocity during six testing conditions over a period of 2-5 minutes. The results of the SET protocol are presented in graphical form, with COG traces shown for each condition tested and a composite score provided that quantifies the COG sway or postural stability in a weighted average of all six conditions. The SET system can determine changes in balance control against normative data in the system or baseline tests previously conducted.

Limits of Stability (LOS) The LOS is an assessment of the voluntary motor system that quantifies impairments in ability to intentionally displace the center of gravity (COG) to the patient's stability limits without losing balance.

Weight Bearing Squat (WBS) During WBS, the patient is instructed to maintain equal weight on each leg while standing erect and then squatting in three positions of knee flexion.

Training Protocols with Visual Biofeedback:

Sequence Training Sequence training provides the clinician with exercise options that may be used with diverse patients to achieve a wide variety of treatment goals.

Closed Chain Training These training activities are specifically designed for patients with ankle, knee, hip, and spine (lumbar) problems. They provide options for progressive weight bearing activities from partial- to full-weight bearing status, allowing for early mobilization.

For more information or to purchase this exciting new product go to playasmartergame.com or call **1.800.767.6744**



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playasmartergame.com

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