

Equipment at UMEX and you will find equipment at U-Motion laboratory in the end of the document.

Cardiopulmonary Exercise Testing (CPET):

AMIS 2001 (Mixing chamber)

Vyntus CPX (Mixing chamber / breath by breath / Canopy / Spirometri)

Metamax 3B (Breath by breath, portable system)

Douglas Bag –system with Sevomex (Calibration / Education)

SunTech Tango M2 (Automatic Blood pressure + 3 Chanel ECG)

Nonin WristOx2 Pulse Oximeter

Cardiolex 12 Chanel ECG

Ergometers:

1 Threadmill (Rodby 2500*700)

2 MONARK Ergomedic 839 (Electric with control panel)

2 MONARK Ergomedic 894 PEAK BIKE (For Wingate & anaerob testing)

1 Monark Ergomedic LC6

6 Monark Ergomedic 828E

1 Tomahawk (Spinning)

1 SRM Training system (Training, Competition, Analyses)

1 Rodby Ski Man (Arm and leg bike)

1 Lode Corival Pediatric

1 Lode Corival CPET



HR monitoring:

6 Polar Vantage (Heart rate variability, IR)

10 Polar Ignite (GPS/IR)

4 Polar M430 (GPS/IR)

5 Polar M460 (For bikes)

20 Polar H10 (Heart rate sensor with Bluetooth® and ANT+)

Variety of watches without IR connected to Polar H1 or H7 Heart rate sensors

Activio 25 units (For heart rate monitoring and analyse of teams and classes)

Stationary equipment:

BIODEX System 4 Pro with Advantage BX Software Isokinetic strength testing

Ultrasound uSmart 3300 NexGen

Biosen C-line (Lactate, Glucose)

HemoCue Hb, HemoCue Glucose (Hb, Glucose)

Beckman Allegra X-22R Benchtop Centrifuge

Centrifuge Rotofix 32A

DCA Vantage Analyzer

Hematokrit 210 Andreas HETTICH GmbH

Reflotron Plus

Tanita BC-418 Body Composition

Norton Power Rig (Strength testing)

Examination bench, electric



Portable equipment:

EMG Trigno Lite system Delsys (4 Channel EMG and 2 IMU:s)

Spirare Spirometri

3 Lactate Scout (Field measurements of Lactate)

2 Algometer

1 Aesthesiometer

Blood pressure cuffs

42 Accelerometer Axivity AX3 with casings for wearing at the wrist

Brower Timing system

5 Bosco Chronojump Jump

3 Bosco Chronojump Force sensor

1 Bosco Chronojump Linear encoder

Hand dynamometer (Saehan, Baseline, Jamar (Digital),

Musclelab (Timing gate, Contact grid, Linear encoder without license at the moment)

Load cell (Vetek, Dini Argeo, KTOYO)

Lutron Digital tachometer (RPM)

Microgate Optojump - Single meter (For gait and jump analyses)

Microgate Witty (Wireless timing system)

Microgate GYKO (3D Accelerometer, 3D Gyroscope, 3D magnetometer)

MicroFET2 Digital handheld dynamometer

5 Stabilizer Pressure biofeedback

5 Y-Balance

5 FMS



3 Caliper Harpenden Skinfold Caliper

2 Easy angle (Electric goniometer)

Laptop for Metamax, Muscledlab, Chronojump, SRM m.m.

Medical journal system CGM J4

Träningsutrustning:

Theraband

Viktbälte (HIFE med vikter)

Smithmaskin

Hantlar / fria vikter / Medicinbollar

Podie bänkpress

Vertikaldrag Lojer 50 Vertical

Dragmaskin Speedpulley Lojer 50 Speed

Dagmaskin Lojer 14

Keiser (Dragmaskin med tryckluft)

U-Motion Laboratory:

Movement analyses system Qualisys Ab 8 OQUS kameror (<1000 Hz)

3 Force plates, Kistler AB

Ergotrainer ergolet

KinCom (Styrka dynamometer helkropp)

EMG Elektromyografi, EMG (Noraxon 16 Chanel)

Movement ABC (funktionellt rörelsetest-set för barn och ungdomar)



Jebsen Hand test (handfunktionstestbatteri)

Box and Block test (handmotorik – grov)

Nine Hole Peg test (handmotorik – fin)

