Sediplus® system solutions
Determining ESR in a closed system

S-Sedivette® · Sediplus® S 2000 · Sediplus® S 200
Sarmix® M 2000 · Accessories
Sediplus® S 2000

- Automatic 40 channel blood sedimentation measuring device

Order no. Description
90.189.700 Sediplus® S 2000, 230 V
90.189.710 Extension unit for Sediplus® S 2000
90.189.730 Barcode reader for Sediplus® S 100, S 200, S 2000

Technical data:
- Measuring principle: IR transmission
- Measuring range: 0–21 mm absolute, corresponding to 0–14.7 mm Westergren
- Measuring accuracy: +/- 1 mm measuring path
- Display: Digital
- Power supply: 230 V, 50–60 Hz, 50 W
- Dimensions (WxDxH): 315 x 226 x 175 mm
- Weight: Basic unit 5 kg
- Extension unit 1.5 kg

Sediplus® S 2000 • 10 channel blood sedimentation measuring device

Designed with the small lab in mind, with a lower throughput of samples, or for local measuring on the ward, SARSTEDT presents a 10-channel blood sedimentation measuring device in a closed system, the Sediplus® S 2000.

The use of the tried-and-tested reflection measuring procedure, in conjunction with state-of-the-art microprocessor electronics, guarantees the required level of precision. Due to an optimal combination with the S-Sedivette® blood sedimentation system, the ESR can be reliably determined at any time and directly after blood has been safely collected. Immediately after collection, the citrate blood should be thoroughly mixed using the Sarmix® M 200. This mixer was specially developed for use with the S-Sedivette®.

After remixing in the Sarmix® M 200, start measuring by inserting the filled S-Sedivette® into a free measuring point and pressing the Start button. LEDs for each measuring point indicate by changing colour (red – orange – green) whether the measurement is taking place in the first or second hour, or whether it has finished. The measured values displayed correspond directly to Westergren values in mm.

Further accessories can be found on the following pages.

S-Sedivette® • A closed system from blood collection to sedimentation

With the S-Sedivette®, the tried-and-tested S-Monovette® closed blood collection system facilitates closed blood sedimentation without sedimentation pipettes.

- No risk of infection compared with open systems
- Sedimentation takes place in the collection tube
- Easy to use
- Saves time and money

Blood is collected in the same way as with an S-Monovette®, using either the aspiration or the vacuum method. The sampling principle can be decided according to individual vein conditions. In the S-Sedivette®, which is pre-dosed with 0.7 ml citrate, 2.8 ml blood is collected (mixing ratio 1:5). After collection, the citrate blood is thoroughly mixed using the Sarmix® M 200. A glass bead assists the mixing process for manual mixing. For ESR measurement, place the S-Sedivette into the sedimentation rack and use the red thumbscrew to set each sample level to zero.

After one hour, read the sedimentation value from the converted scale. The value corresponds to the mm value of Westergren.

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Sediplus® S 2000

- Automatic 40 channel blood sedimentation measuring device

Order no. Description
90.189.900 Sediplus® S 200, 100 - 240 V
92.189.930 Barcode reader for Sediplus® S 100S, S 200

Technical data:
- Measuring principle: IR reflection 880 nm
- Measuring range: 0–63 mm absolute, corresponding to 0–109 mm Westergren
- Measuring accuracy: +/- 1 mm measuring path
- Display: Digital
- Power supply: 100–240 V, 50–60 Hz, 12 V DC, 1.25 A mains adapter
- Dimensions (WxDxH): 300 x 160 x 300 mm
- Weight: 2.6 kg without mains adapter
Sediplus® S 2000 • Rotation mixer

The Sarmix® M 2000 laboratory mixer has an impressive range of applications, varying from a gentle mixing movement to powerful vibrations.

8 mixing programs with different rotation and vibration movements are available, along with 6 rotors for tubes of different diameters (available separately). Operation using the clearly and functionally arranged control buttons is very simple.

A rotor with 40 positions (order no. 92.180.615) and an optimised mixing program are available for use with the S-Sedivette®.

Order no. Description
92.180.600 Sarmix® M 2000, incl. 12 V DC mains adapter
92.180.610 Disc rotor for 23 tubes Ø 8–12 mm
92.180.611 Disc rotor for 2 tubes up to Ø 35 mm and 6 tubes up to Ø 20 mm and 6 tubes up to Ø 12.5 mm
92.180.612 Block rotor for 40 tubes of up to Ø 11.5 mm
92.180.613 Block rotor for 24 tubes of up to Ø 15 mm
92.180.614 Block rotor for 7 tubes of up to Ø 28 mm
92.180.615 Block rotor for 40 tubes of up to Ø 8.5 mm (S-Sedivette®)
92.180.616 Block rotor for 14 tubes of up to Ø 28 mm (50 ml tubes)
92.180.617 Block rotor for 24 tubes of up to Ø 17 mm (15 ml tubes)

Order no. Description
90.180.600 Sarmix® M 2000, incl. 12 V DC mains adapter
90.189.720 Thermal printer with 230/6 mains adapter
90.188.055 Paper roll for thermal printer, 6 pcs
90.189.750 Sediplus® Data Manager with interface cable; EU mains plug; UK, US adapter
90.189.915 SediTest S 200 and Test-Sedivettes for Sediplus® S 200
91.189.715 Test-Sedivettes for Sediplus® S 200
90.189.730 Barcode reader for Sediplus® S 100, S 200, S 2000
90.189.750 Sediplus® Data Manager
90.189.915 SediTest S 200 and Test-Sedivettes
91.189.715 Test-Sedivettes for Sediplus® S 200
90.189.730 Barcode reader for Sediplus® S 100, S 200, S 2000

Technical data:
- Type of movement: Rotating, rocking and vibrating movements
- Setting ranges: Rotation: 4 to 40 rpm, Angle: 0 to 360 degrees vibration
- Display: 2-row LCD Display
- Removable rotors: See accessories
- Connection: 12 V DC-Adapter
- Dimensions (WxDxH): 400 x 165 x 150 mm, 17.3 x 6.5 x 5.9 inches
- Weight: Approx. 2.5 kg

Accessories for Sarmix® S 2000 and Sarmix® S 200

Sarmix® M 2000 • Rotation mixer

This thermal printer is a light, compact device with RS 232 (D-sub) connection to the measuring data output of Sediplus® S 100, S 200 and S 2000. It has a robust ABS casing. The built-in battery enables operation independently of the mains.

The data manager serves to control and monitor the transfer of data (measurement logs) from Sediplus® S 100 (with interface), S 200 (with interface) or S 2000 to a serial or parallel printer and lab data management.

Sediplus® S 200 and S 2000 function checking. Following a defined procedure, the functional elements relevant to measuring (mechanics and optics) can be checked channel by channel, thus ensuring that the device functions faultlessly.

The optional barcode reader for the S 2000 serves for safe identification of the S-Sedivette® sample tubes before measurement begins. It reads all current codes. With the barcode reader mounting bracket, which can be attached to the S 2000, work is completely effortless.