Platelet Function

helena
Biosciences Europe

Product information

Correct platelet function is vital in the formation of the haemostatic plug and maintaining vascular integrity after damage to the vascular wall. In the event of blood vessel injury, platelets rapidly accumulate around the injury to prevent blood loss. Inherited or acquired platelet defects lead to platelet dysfunction resulting in specific bleeding disorders, all of which need to be diagnosed and treated appropriately.

The diagnostic investigation of platelet function is vital to ensure appropriate patient treatment. Helena Biosciences supply all of the required and ISTH recommended assays and reagents for accurate and effective diagnoses. These include excellent quality reagents for the determination of platelet function in BOTH Platelet Aggregation and Ristocetin Cofactor Assays.

Aggregation reagents

Platelet function testing using platelet aggregation methodology is highly effective in determining the qualitative and quantitative defects in patient plasma, including Bernard-Soulier syndrome and Glanzmann thrombasthenia.

Helena supplies a full panel of platelet aggregation agonists used in the testing of platelet function. The measurement of the platelet's response to the addition of the agonist is considered the gold standard methodology for testing platelet function.

- The agonist panel is supplied individually or as an aggregation kit giving full versatility depending on your laboratory requirements
- All agonists are supplied at a high concentration allowing all subsequent dilutions to be carried out to meet the testing requirements of each laboratory, research or diagnostic, and according to the most recent platelet guidelines in accordance with the ISTH SSC

Ristocetin Cofactor reagents

Von Willebrand disease (VWD) is one of the most common inherited bleeding disorders, in which individuals with the disease have defects in, or reduced levels of the multimeric dimer VWF. Comprehensive testing is required to determine specific defects and administer treatment accordingly.

Ristocetin cofactor testing measures the ability of the patient's VWF to agglutinate fixed platelets in the presence of Ristocetin. Decreased levels are indicative of Von Willebrand disease which is then sub-categorised into different types and subtypes depending on the qualitative and quantitative nature.

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Helena Biosciences' Ristocetin Cofactor Assay, supplied to all of the major leading Haemophilia centres, contains ALL of the reagents, controls and calibrators required to carry out Ristocetin cofactor testing. These components are also supplied individually, should additional material be required.

- Calibrator values are directly traceable to the WHO recommended ISTH biological standards
- Multiple kit formats available for lyophilised platelets
- Reagents can all be supplied as a complete Ristocetin Cofactor kit or individually for increased versatility

Ordering information

Aggregation reagents

Cat No.	Description	Kit Format	State	Storage
5364	Arachidonic acid	2 × 1.0ml	Lyophilised	2…8°C
5366	ADP	2 × 1.0ml	Lyophilised	2…8°C
5367	Epinephrine	2 × 1.0ml	Lyophilised	2…8°C
5368	Collagen	2 × 1.0ml	Liquid	2…8°C
5199	Ristocetin	10 × 0.5ml	Lyophilised	2…8°C
5369	Platelet aggregation kit	2 × 1.0ml ADP 2 × 1.0ml Epinephrine 2 × 1.0ml Collagen	Lyophilised Lyophilised Liquid	2…8°C

Ristocetin Cofactor reagents

Cat No.	Description	Kit Format	State	Storage
5372	Ristocetin 10mg/ml	5 × 1.5ml	Lyophilised	2…8°C
5371	Lyophilised platelets	5 × 5.0ml	Lyophilised	2…8°C
5356	Lyophilised platelets	5 × 10.0ml	Lyophilised	2…8°C
5373	Ristocetin cofactor abnormal control	5 × 0.5ml	Lyophilised	2…8°C
5185	SARP reference plasma	10 × 1.0ml	Lyophilised	2…8°C
5365	Tris buffered saline	125ml	Liquid	2…8°C
5370	Ristocetin Cofactor kit	Lyophilsed Platelets 4 × 5.0ml Ristocetin 10mg/ml 2 × 1.5ml SARP 2 × 1.0ml Abnormal control 2 × 0.5ml Tris buffered saline 1 × 35.0ml	Lyophilised Lyophilised Lyophilised Lyophilised Liquid	2…8°C

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