

## The C.PunT system and its accessories

The C.PunT medical device is composed of:

- electromedical instrument for standardizing the process of separation of PRP from other blood components;
- a disposable kit for treating 55 ml of whole, non-coagulated blood.

Accessories of the C.PunT system:

- disposable kit, sold separately (50/10 ml);
- cover for housing sensors;
- power supply cord;
- dedicated centrifuge.

## Method for drawing blood and for production

Depending on the intended use, on the volume needed, on the possibility or need to freeze the component, the production of hemocomponents for non-transfusional use may call for the installation of devices that differ from those generally adopted to draw blood and hemocomponents (low volume bags, vials for the production of hemocomponents or plasma factors for use on patients). In all cases, the collection, production and application of hemocomponents for non-transfusional use must be performed using CE certified medical devices for specific uses, in compliance with Directive 93/42/CE (class II or superior).

Open stages must be avoided or reduced to a minimum. If open stages are envisaged, measures must be adopted to guarantee sterility of the product (sterile connections, processing in a laminar flow cabinet).

Source: Raccom. SIMTI on hemocomponents for non-transfusional use.

Biomed Device products are medical devices and not available to the general public, and must be used only by authorized personnel. Biomed Device reserves the right to change the products at any time, in line with technical innovation and product improvement. This informative material is for the exclusive use of authorized personnel.

All products are **CE** certified in accordance with European Directives.

DISTRIBUTED BY



BIOMED DEVICE S.R.L.  
via Vittorio Bottego, 239 - 41126 Modena - Italy  
tel. +39.059.343929 - fax +39.059.4550010  
e.mail info@biomeddevice.it - www.biomeddevice.it

All Medical Devices are **CE** Certified  
in accordance with European Directives (93/42/EEC)

Biomed Device is a certified company:



UNI EN ISO 9001:2008  
UNI EN ISO 13485:2012

PRODUCED BY



Strada Valenza, 5/A - 15033 Casale Monferrato (AL) - Italy  
tel. +39.0142.335511 - fax +39.0142.335555 - info\_casale\_plant@eltekgroup.it - www.eltekgroup.it

# BIOMED SYSTEM | C.PunT

## Closed, simple and automated system for the preparation of PRP



DISTRIBUTED BY



PRODUCED BY



# C.PunT

COMPLETELY CLOSED SYSTEM  
FOR THE PRODUCTION OF PRP

C.PunT is a system for the separation and concentration of PRP, developed by **Eltek Group** with the cooperation of **Biomed Device**.

## Platelet concentrate

The use of platelet concentrate for non-transfusional purposes is based on the **regenerative potential** of the biomolecules inside platelet granules. It is prepared by means of a procedure for separation of platelets from whole blood (anticoagulated with ACD). The procedure is based on **centrifugation** at a speed enabling most of the platelets to remain in the plasma, which also reduces the number of leukocytes and erythrocytes.

The result is platelet rich plasma (PRP).

With purposes differing from transfusion, over the years this hemocomponent has been adopted for **regenerative uses in many specialised clinical environments** (orthopedic surgery, plastic surgery, maxillo-facial surgery, ophthalmology, dermatology). In fact, platelets contain growth factors, cytokines and bioactive molecules, which are involved in the process of physiological rejuvenation and tissue remodelling.

## All the advantages of C.PunT

- A completely closed system that **eliminates the risk of microbial contamination**.
- Fully **standardized** process: C.PunT reduces the possibility of human error.
- Increased **efficiency** of the production system.
- Extremely **easy to use**.

## PLATELET CONCENTRATION: CLINICAL DATA

PATIENT	BASAL BLOOD DATA	FIRST CENTRIFUGATION 11 min. x 260 g / 1040 rpm			PLT MULTIP. ON BASAL CONCENTR.	SECOND CENTRIFUGATION 8 min. x 1200 g / 2300 rpm				PLT MULTIP. ON BASAL CONCENTR.
	plt (10 <sup>3</sup> /mm <sup>3</sup> )	TOTAL VOLUME DRAWN	PRP/ PLASMA VOLUME OBTAINED	PLATELET CONTENT plt (10 <sup>3</sup> /mm <sup>3</sup> )		TOTAL INITIAL PLASMA VOLUME	PPP VOLUME REMOVED	FINAL PRP VOLUME	PLATELET CONTENT plt (10 <sup>3</sup> /mm <sup>3</sup> )	
1	179	48	23	346	1,9	23	14	9	884	4,9
2	239	48	23	493	2,06	23	11	12	945	4
3	221	58	29	421	1,9	29	16	13	939	4,2
4	221	57	30	398	1,8	30	18	12	995	4,5
5	195	55	24	545	2,79	24	12	12	990	5,1

## FULLY AUTOMATED PROCESS

The instrument can be set up to perform the procedure in **just a few minutes**, thanks to **pre-established programs**.

## EASY TO USE

Configuration of the instrument and kit allows for **easy use** and **eliminates the risk** of contamination, thanks to the completely closed system.



## COMPLETELY CLOSED SYSTEM

The *patient > procedure > application* cycle is complete, **with no open stages**, which guarantees one hundred percent **sterile** operation.