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GmBH





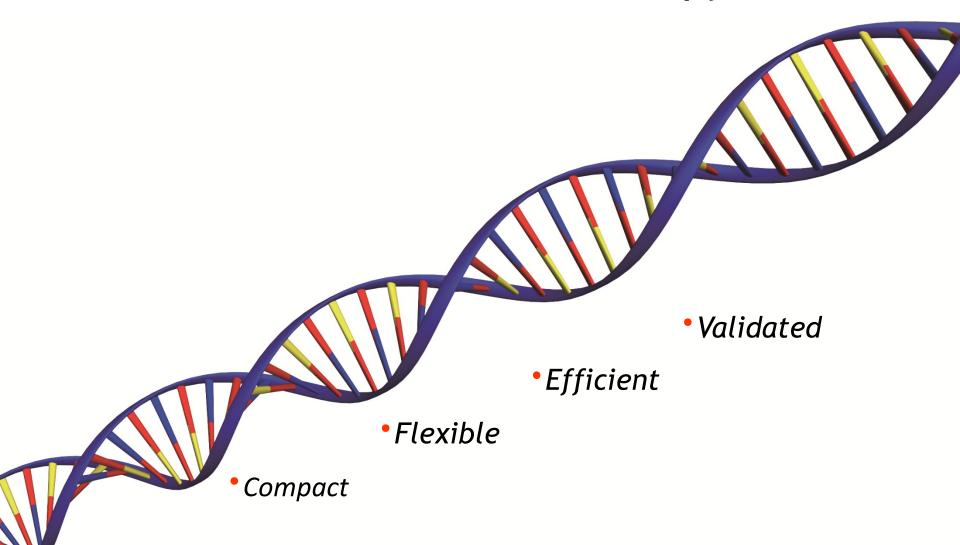
UVA PIT System history

- → 2004: First prototype ready for evaluation
- → 2005: First serial system available for clinical evaluation
- → 2005: Medical CE-certification
- → 2005-2014: Nine years of consistent product improvement and market expansion
- End of 2014: 90 systems with 65 treatment centers in twelve countries

Initial Goals The UVA PIT System has been developed to be:

- → High mobile
- **+**Economic
- **+**Effective in use
- The compact system has to provide the solution for delivering extracorporeal "photochemotherapy"/"photopheresis" applications without limitations to age or body weight and to make it very safe and affordable.

UVA PIT System Photo Immune Therapy

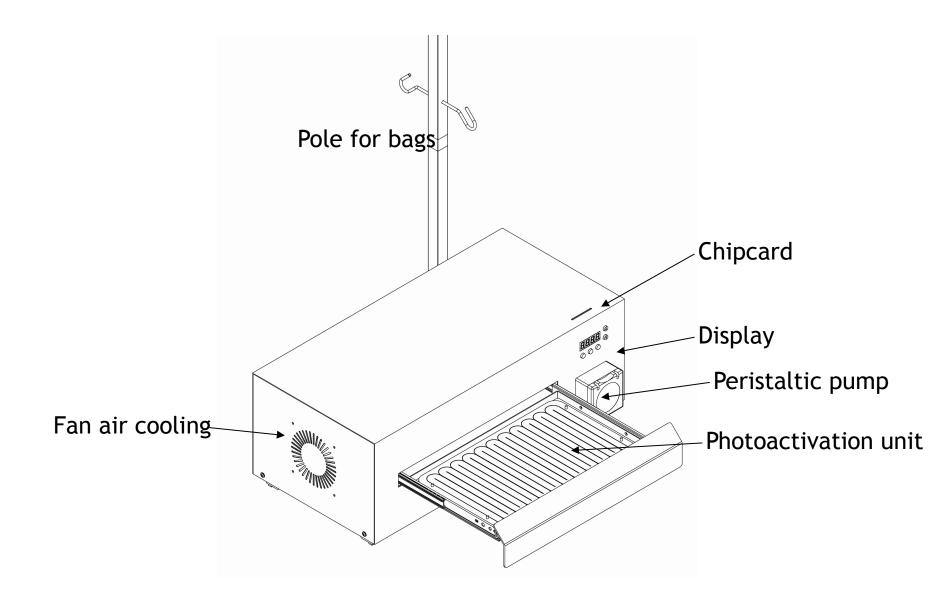


Ex-vivo treatment

- → More safety
- → More patient comfort
- ◆Understandable technique
- → Closed system (using SCD, microFilter)

In-line treatment sco connection to the collection line

→Possible in some countries under localy validated protocole



Features designed & Aedu Test Votemneeds

- ◆UVA emited by long life light source
- ◆Energy control system for exact measurement of the emitted UVA light and reproducible treatments
 - → sensor
- → Easy accessible photo activation chamber (drawer) with temperature control → sensor
- → Recirculation unit with large surface serpentine designed for homogeneous irradiation

- ◆Air cooling system以如 fyy fsystem femperature control
- ◆Touch screen display for essential parameters and easy programming
- → Data to be entered : Haematocrit and Volume
- ★Automatic energy calculation
- **→** Database collection

available:





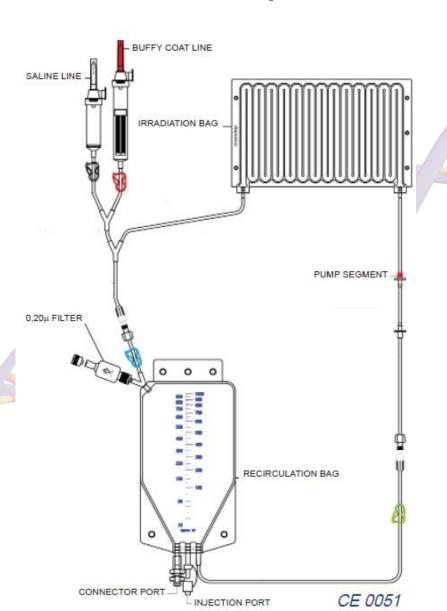




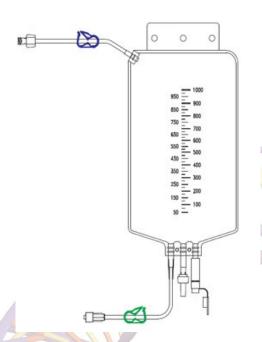
Data base software mask and print out

- ◆User friendly understandable technique
- → Fast and easy to prepare and operate
- **→**Short processing time
- +Allows the use of all available cell separators
- →Suitable for small up to large volumes
- ◆ Sensor to prevent from overpressure in tubing pathway

The PIT KIT

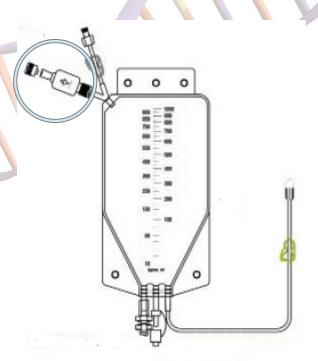


Previous PitKit

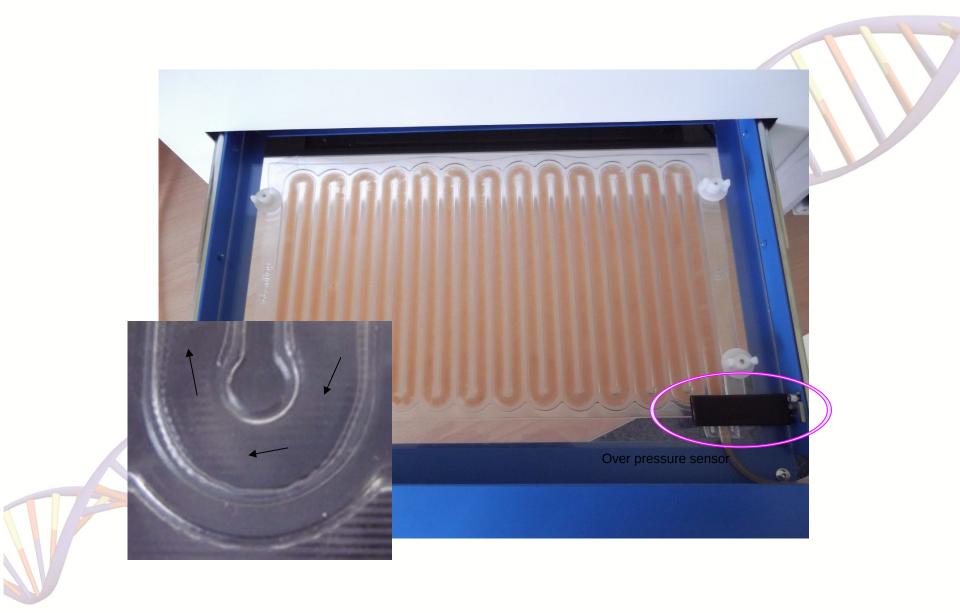


- ★ Reservoir bag redesigned to improve mixing of blood components, saline and drug
- Drug (8MOP) is introduced through a protective 0,20 micron filter

New PitKit



- ne PIT KIT
- UVA PIT System
 Materials in direct contact with blood are tested for
 biocompatibility and are latex free and DHP free
- UVA *transparent* photo activation serpentine path-way unit designed to have a large surface exposure for homogeneous UVA energy penetration.
- Reservoir bag designed to mix blood components, saline and drug is provided with *bar code tag*
- One microchip card valid for 25 activations is provided with each box of 25 Pitkit



Where Was PIt System

- **→**Blood banks
- **★**Apheresis centers
- ◆Transfusion departments
- ◆Cell therapy unit
- → Haematology
- **→** Dermatology
- → Nephrology
- +Etc...





- ◆The UVA PIT System is CE-certified by the notified body MDC 0483
- ◆MTS is ISO-13485-certified by the notified body MDC 0483
- →With CE as medical system class 2a
- ◆The UVA PIT KIT is CE-certified by the notified body IMQ 0051





UVA PIT photopheresis is validated

- Clinically proven with several thousands of treatments since 2005
- ◆UVA PIT Photo Immune Therapy with its patented algorithm that calculates photoactivation time based on treatment volume, haematocrit % and UVA intensity

Thank you for your attention...

visit the PIT website at the following:

www.pitsystem.eu





