

A close-up photograph of a laboratory setting. A hand wearing a white nitrile glove is holding a small, clear plastic vial containing a yellow liquid (plasma). The hand is tilting the vial to pour the liquid into one of the wells of a clear plastic multi-well plate. The plate is filled with many other wells, some of which already contain a similar yellow liquid. The background is a light, neutral color, and the overall lighting is bright and clinical.

WHEN IT COMES TO PLASMA MANAGEMENT, WE'RE YOUR ALLY

BLOOD BANK SERVICES

GRIFOLS
pioneering spirit



HEMOTHERAPY
IS OUR
SPECIALTY

Hemotherapy has been a focus for Grifols since 1940. We have advanced its progress through research and the production of plasma derivatives which are currently distributed all over the world.

Our mission continues to be saving and sustaining the lives of patients with chronic or rare diseases whose treatment depends on plasma-derived medicines.

Human plasma is vital because of the therapeutic proteins that can be extracted from it.

At Grifols we are passionate about plasma, and we are working hard to meet the increasing demand for these medicines. Since the 1970s Grifols has been committed to making the most of plasma by providing hemoderivatives manufactured from plasma to the Spanish healthcare system.



A hand wearing a white glove is holding a test tube, positioned over a multi-well plate. Several other test tubes are visible in the background, some with labels. The entire image is overlaid with a blue tint.

FOCUSED ON
MEETING THE
NEEDS OF
BLOOD BANKS

We know how plasma is obtained and how to treat it so that proteins maintain their attributes and plasma retains its quality.

We make our experience, knowledge and technical know-how available to blood bank and transfusion center professionals via a wide range of diverse products and services adapted to meet the distinctive needs of this field of activity.

Our experience with the production of plasma derivatives, our knowledge of their maintenance and storage, and our familiarity with the process of obtaining plasma enables us to offer exclusive programs for management of both plasma units and related activities at each transfusion center or blood bank, with quality and safety guaranteed. We have only one mission: contributing to the improvement and efficiency of plasma management in order to benefit health care.



SERVICES

PLASMA TRANSPORT AND STORAGE

We offer our experience in the safe storage and transport of frozen fresh plasma as well as cold chain maintenance, an essential component for safe transfusion therapy.

Our solutions meet your space requirements and your need for methods that guarantee the quality of plasma for transfusion.





Contingency program

In order to maintain the cold chain for frozen fresh plasma, the Contingency program offers collection, storage and return of frozen fresh plasma to the center of origin in the event of an incident with your refrigeration equipment.



IPTH Program

Offers additional viral safety methods against known and emerging pathogens via methylene blue-treated plasma. Quality-certified frozen inactivated plasma is returned to the center of origin.



Secure Program

Plasma quarantine is a safety method used to screen for viruses in plasma intended for transfusion. The Secure program offers collection of plasma, cold storage, and the return of frozen plasma after the screening period as needed by the center, reducing fixed costs, freeing up resources and minimizing risks arising from storing the product in-house.

PLASMA FOR HEMODERIVATIVES

In order to increase the amount of plasma available for fractionation, we offer integrated solutions that help increase self-sufficiency in supplies of hemoderivatives, medications of high therapeutic value.

Apheresis program_

Collaboration with transfusion center or blood bank initiatives that encourage plasma donation for hemoderivatives through plasmapheresis. Under a contract fractionation program, means and resources are made available to perform the process of apheresis and increase each autonomous community's degree of plasma derivative self-sufficiency.

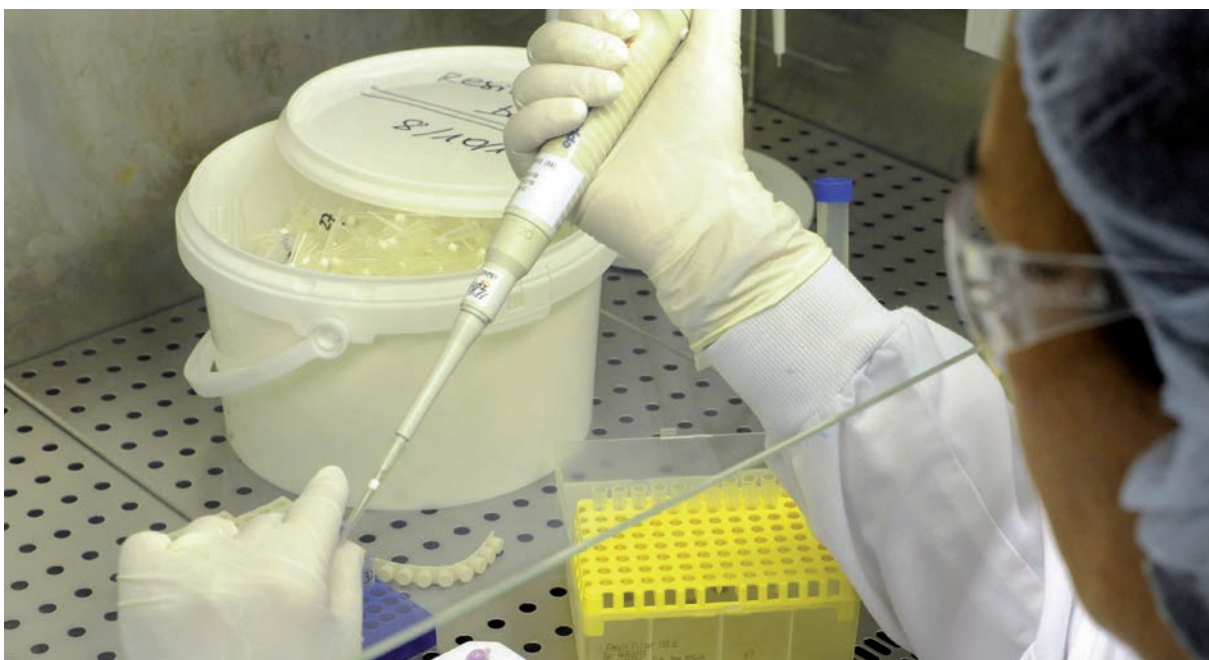


LABORATORY

To offer the maximum level of transfusion safety to patients, we share the knowledge we've been accruing since 1995 in the field of laboratory services with blood bank professionals. We provide a wide catalog of services and tests using the latest technologies, enabling the optimization of resources and maximizing quality and safety.

Biolab Program_

- Sample analysis service for different viral markers with technology for nucleic acid testing (Procleix NAT platform).
- Confirmatory test service for doubtful positives.
- Immunohematology service: blood group typing, prenatal screening for RhD and irregular antibodies. Card agglutination and molecular techniques.
- External reference laboratory services.
- Quality assurance for frozen fresh plasma and cryoprecipitate.
- Storage and management of plasma samples library.
- Provision of human plasma for performance of tests and controls, complete with quality assurance certificate and traceability documentation.



QUALITY

Blood bank activities must comply with strict regulations to guarantee the safety of blood components. Quality assurance systems and continuous specialized training of health care professionals involved in hemotherapy are the foundation of good clinical practice. Because of this, we have developed two collaborative programs to improve quality assurance systems.

Quality Program_

- Management system and quality assurance advisory service.
- Support services for inspections by relevant health authorities or to obtain quality certifications from various regulatory bodies.

Academy Program_

- Accredited quality assurance management courses (quality assurance systems, preparation of external inspections and internal evaluations).
- On-line courses in various topics, (*in vitro* diagnostic tests or screening, etc).
- Practical training programs in collaboration with universities.
- Continuing education courses in hemovigilance, best practices regulations, guidelines and legislation, and licensing and maintenance of facilities.

ENGINEERING AND INFORMATION TECHNOLOGY

We also offer our customers comprehensive assistance adopted to their needs, such as personalized engineering and biopharmaceutic consultancy services and information technology services.

Project, process and design engineering and construction of machinery and prototypes.

Hospital projects and advanced therapies.

Design and construction of clean rooms for NAT analyzers.

IT: supply of rejected donor databases and temperature control systems for rooms and equipment.

IT: Design of computer software for special functions and technological platform design for communication with the fractionation industry.

SUPPLY OF MATERIALS AND EQUIPMENT

For the health care professional's comfort, we supply blood bank materials and equipment:

- Blood collection bags and extraction supplies
- Apheresis machines
- Mixing scales
- Refrigerators, freezers, centrifuges, component separators with software
- Platelet agitators, bar code readers

PROCLEIX® NAT SOLUTIONS

Testing using NAT technology increases safety and reduces the risk of disease transmission through transfusion, in addition to increasing laboratory efficiency.

Procleix® NAT solutions offer blood banks an integrated portfolio of instruments and associated reagents.

Procleix® Tigris System_

The first fully automated and integrated NAT platform for screening donated blood or plasma. Top quality results and optimized productivity.

Procleix® Panther System_

Optimizes the laboratory's workflow and yield to allow speedy access to results. Boasts a compact footprint, and its improved automation minimizes user interactions. Offers highly sensitive testing.



