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| |  | | --- | | Blood Donation  Date | | Blood Bank  A blood bank is a center where [blood](https://en.wikipedia.org/wiki/Blood) gathered as a result of [blood donation](https://en.wikipedia.org/wiki/Blood_donation) is stored and preserved for later use in [blood transfusion](https://en.wikipedia.org/wiki/Blood_transfusion). The term "blood bank" typically refers to a division of a hospital where the storage of blood product occurs and where proper testing is performed (to reduce the risk of transfusion related adverse events). However, it sometimes refers to a collection center, and indeed some hospitals also perform collection. | | BLOOD BANK Blood Donation A **blood donation** occurs when a person voluntarily has [blood](https://en.wikipedia.org/wiki/Blood) drawn and used for [transfusions](https://en.wikipedia.org/wiki/Blood_transfusion) and/or made into biopharmaceutical medications by a process called [fractionation](https://en.wikipedia.org/wiki/Blood_fractionation) (separation of whole-blood components). Donation may be of whole blood, or of specific components directly (the latter called apheresis). [Blood banks](https://en.wikipedia.org/wiki/Blood_bank) often participate in the collection process as well as the procedures that follow it.    [Luis Agote](https://en.wikipedia.org/wiki/Luis_Agote) (second from right) overseeing one of the first safe and effective blood transfusions in 1914    [Charles R. Drew](https://en.wikipedia.org/wiki/Charles_R._Drew) oversaw the production of blood plasma for shipping to Britain during WW2.  The donor's [blood type](https://en.wikipedia.org/wiki/Blood_type) must be determined if the blood will be used for transfusions. The collecting agency usually identifies whether the blood is type [A, B, AB, or O](https://en.wikipedia.org/wiki/ABO_blood_group_system) and the donor's [Rh (D) type](https://en.wikipedia.org/wiki/Rhesus_blood_group_system) and will screen for [antibodies](https://en.wikipedia.org/wiki/Antibodies) to less common antigens. More testing, including a [crossmatch](https://en.wikipedia.org/wiki/Crossmatch" \o "Crossmatch), is usually done before a transfusion. Type O negative is often cited as the "universal donor” but this only refers to [red cell](https://en.wikipedia.org/wiki/Red_Blood_Cells) and whole blood transfusions. For [plasma](https://en.wikipedia.org/wiki/Blood_plasma) and platelet transfusions the system is reversed: AB positive is the universal platelet donor type while both AB positive and AB negative are universal plasma donor types |

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| |  | | --- | | Contact Us  Company Name  Blood Bank  Street Address  LPU,Phagwara  City, ST Zip Code  Punjab,824231  Phone  8299118970  Email  sshantanuthakur1099@gmail.com  Website  https://www.bloodbank.com | | History While the first [blood transfusions](https://en.wikipedia.org/wiki/Blood_transfusion) were made directly from donor to receiver before [coagulation](https://en.wikipedia.org/wiki/Blood_coagulation), it was discovered that by adding [anticoagulant](https://en.wikipedia.org/wiki/Anticoagulant) and [refrigerating](https://en.wikipedia.org/wiki/Refrigeration) the blood it was possible to store it for some days, thus opening the way for the development of blood banks. [John Braxton Hicks](https://en.wikipedia.org/wiki/John_Braxton_Hicks) was the first to experiment with chemical methods to prevent the coagulation of blood at [St Mary's Hospital, London](https://en.wikipedia.org/wiki/St_Mary%27s_Hospital,_London) in the late 19th century. His attempts, using [phosphate of soda](https://en.wikipedia.org/wiki/Sodium_phosphates), however, were unsuccessful.  The first non-direct transfusion was performed on March 27, 1914 by the [Belgian](https://en.wikipedia.org/wiki/Belgium) doctor [Albert Hustin](https://en.wikipedia.org/wiki/Albert_Hustin), though this was a diluted solution of blood. The [Argentine](https://en.wikipedia.org/wiki/Argentina) doctor [Luis Agote](https://en.wikipedia.org/wiki/Luis_Agote) used a much less diluted solution in November of the same year. Both used [sodium citrate](https://en.wikipedia.org/wiki/Monosodium_citrate) as an anticoagulant.  View and edit this document on your computer, tablet, or phone. You can edit text; easily insert content such as pictures, shapes, and tables; and seamlessly save the document to the cloud on your Windows, Mac, Android, or iOS device. |