

# THE STORY OF YOUR BLOOD

## Giving Blood



1 pint of donated blood can help up to 3 people.<sup>1</sup>

60-75



minutes is the approximate time it takes to donate blood.<sup>2</sup>



234MM

major operations are performed worldwide every year, which may involve blood transfusions.<sup>3</sup>

7BN



Only a fraction of the world's 7 billion people eligible to donate blood are doing so.<sup>3,4</sup>

## Testing Blood

BEFORE A BLOOD DONATION CAN BE USED, IT IS TESTED FOR INFECTIOUS DISEASES.



ABBOTT'S TECHNOLOGY SCREENS MORE THAN 60% OF THE WORLD'S BLOOD SUPPLY.<sup>5</sup>

1



### BLOOD DRAW

Each donor provides one pint of blood. Test tubes are filled with blood and labelled.

2



### BLOOD PREPARATION

An instrument (centrifuge) spins and separates the blood into red cells, platelets and plasma. Another instrument establishes blood type.

3



### BLOOD TESTING

A testing analyzer determines if specific infectious diseases are present, such as HIV, hepatitis B and hepatitis C.

4



### ANALYSIS AND RESULTS

Once testing is complete, the results are transferred electronically.

- ← Unsafe blood is discarded and donor is notified.
- Safe blood is released for use.

## Keeping Blood Safe

Two decades ago, Abbott established the Global Surveillance Program, which detects and actively monitors emerging HIV and hepatitis strains around the world.



Collected more than 40,000 blood specimens of HIV and hepatitis worldwide.<sup>5</sup>



Identified and characterized 5,000 HIV strains, enabling diagnostic tests to detect the virus.<sup>6</sup>



Identified and characterized rare HIV Group N and P viruses. Abbott is 1 of only 2 institutions in the world to have done so.<sup>6-9</sup>



If a new strain is discovered, Abbott's scientists check that the current blood screening and diagnostic tests are able to detect it.

Chicago, Illinois: Abbott's Global Surveillance Program houses more than 40,000 HIV and hepatitis specimens, making it one of the largest libraries in the world.



SURVEILLANCE COLLECTION SITES IN 20 COUNTRIES COVERING 5 CONTINENTS

# BE THE 1™

Join Cristiano Ronaldo and Abbott to donate blood now. You could save a life. BE THE 1™.

Sign up to donate at [BeThe1Donor.com](http://BeThe1Donor.com).



BE THE 1 and related brand marks are marks of Abbott Laboratories in various jurisdictions

#### REFERENCES

- <sup>1</sup> About blood: Facts and figures. America's Blood Centers. Website: [www.americasblood.org/about-blood/facts-figures.aspx](http://www.americasblood.org/about-blood/facts-figures.aspx).
- <sup>2</sup> Donating blood: Donation FAQs. American Red Cross. Website: [www.redcrossblood.org/donating-blood/donation-faqs](http://www.redcrossblood.org/donating-blood/donation-faqs).
- <sup>3</sup> Towards 100% voluntary blood donation: A global framework for action. World Health Organization. Website: <http://www.who.int/bloodsafety/publications/9789241599696/en/>.
- <sup>4</sup> As world passes 7 billion milestone, UN urges action to meet key challenges. United Nations News Centre. Website: [http://www.un.org/apps/news/story.asp?NewsID=40257#.Vh\\_wTOxVhBc](http://www.un.org/apps/news/story.asp?NewsID=40257#.Vh_wTOxVhBc).
- <sup>5</sup> Abbott internal data.

- <sup>6</sup> Brennan CA, Bodelle P, Coffey R, et al. HIV global surveillance: Foundation for retroviral discovery and assay development. *Journal of Medical Virology*. 2006; 78:S24-S29.
- <sup>7</sup> Bodelle P, Vallari A, Coffey R, et al. Identification and genomic sequence of an HIV type 1 group N isolate from Cameroon. *AIDS Research and Human Retroviruses*. 2004; 20: 900-906.
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- <sup>9</sup> Vallari A, Holzmayer V, Harris B, et al. Confirmation of putative HIV-1 group P in Cameroon. *Journal of Virology*. 2011; 85:1403-1407.

