About the biobanking tool HEnRY ...

HEnry (HIV Engaged Research Technology) is a biobanking software developed by the University of Cologne and funded by the DZIF (German Center for Infection Research). HEnRY greatly simplifies and accelerates practical laboratory work, so that the quality of the documentation is professionalized and possible sources of error are minimized. Information about studies, samples, aliquots and processing steps is stored in a structured manner. The software allows documentation of storage up to shipment of samples and aliquots.

Currently, HEnRY is being used in various working groups for the documentation of samples from HIV, cancer and tuberculosis patients.
The software is available for download on the tp-hiv.de website and is published under the MIT license. It is thus free of charge. In addition, some documents and videos are provided on the website for quick and easy access to HEnRY.

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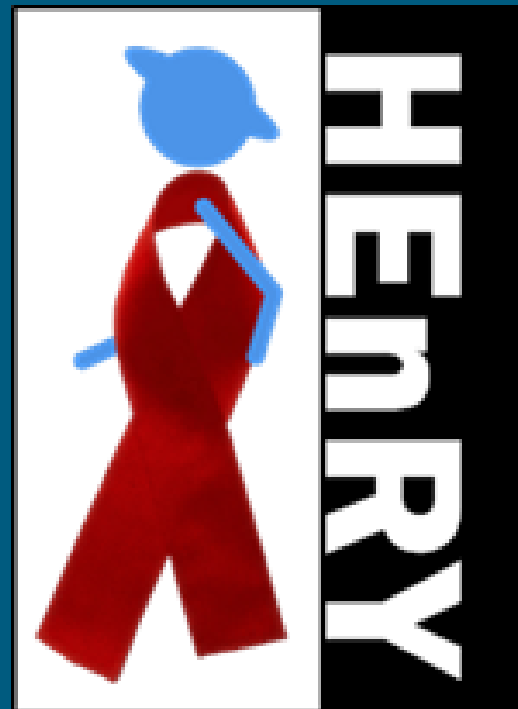Telefon: 0221-478-88794

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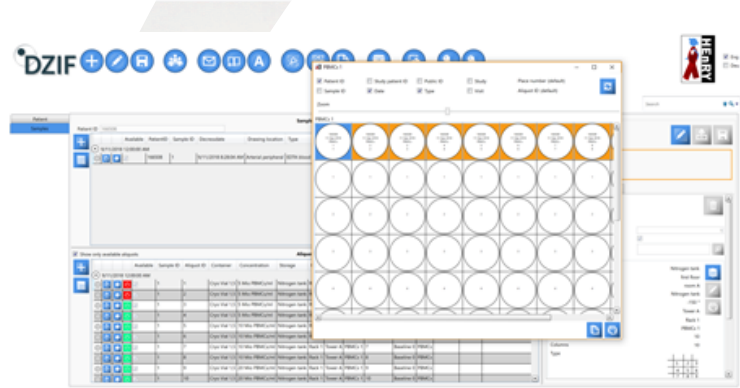Email: stephanie.heinen@uk-koeln.de
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DZIF

Deutsches Zentrum für Infektionsforschung

Biobanking Tool HEnRY

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Features:

● **Study Management**: Studies can be added with different properties, drawing scheme, aliquot processing letter for the laboratory, addresses and UN shipment types. Studies can be exported and send to other participating centers and imported there.

● **Shipping Module**: A virtual shipment box can be prepared in HEnRY. A box or singles aliquots can be selected for the shipment. Way and the reason for shipment, as well as the address of the receiver, can be linked to a study. An overview of the box, an csv table with a selectable range of properties of all aliquots for the shipping, and a letter can be printed.

● **Quick Look**: Via the quick look function a virtual look in all boxes and upon the contained aliquots is possible.

● **Label Designer**: The label designer gives the user the opportunity to create own layouts for labels. The amount of aliquot properties and their sorting can be selected and saved as templates. Additionally, a live preview of the label is shown.

● **One Click Application of a Drawing Scheme**: Large numbers of aliquots can be created with all properties and the storage location contained in the drawing scheme by one click.

●Many **Massedit Functions**: Mass edit functions for the aliquot properties are available, to enhance the working speed and precision for large amounts of aliquots.

● **SQL Query Tool**: The data contained in the database can be selected via complex queries using SQL. As output, a scannable list of QR codes for aliquots can be printed or aliquots can directly be send to the shipment module an prepared for shipment.

● Different **Filter Functions**: reports for all aliquots of one study, in one box, in one storage location or all patients of one praxis can be created in various file formats.

● **User Rights**: HEnRY offers different user functions, which are linked to different user rights. The function of the user can be described as physician, laboratory staff member and study supervisor.

● **Export of Aliquot Data**: Aliquot and sample data can be anonymously serialized into XML files and send to another centre along with a shipment. There, the files can be imported and the receiving center is fully aware of all documented storage conditions, processing steps and used chemicals so far.

● **Monitoring**: The study supervisor has the opportunity to supervise the entered bio material data for completeness and accuracy and mark them accordingly.

● **Pseudonymisation Function**: Patient data can be fully reversible or irreversible pseudonymised or deleted at the end of a study.

Technical data:

- Windows 7 or higher
- .Net 4.6
- Requires a SQL database server
- Works with local database
- Programmed in C # / WPF