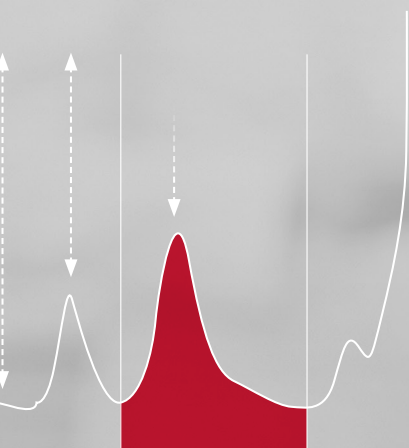




HbDrive®

DO MORE WITH LESS
TEST DIABETES THE BETTER WAY



Tosoh Automated results expertise for **HbA1c®** testing **Better diagnostics for better living**

TOSOH BIOSCIENCE



FROM 100 RESULT VALIDATIONS IN 1 HOUR...

With HbDrive®, Tosoh's expert software for automated chromatogram results validations, your lab increases productivity, reduces costs and errors, and meets accreditation requirements.

EXPLOIT THE QUALITY OF HPLC SEPARATION TO IT'S FULL EXTENT

Glycated haemoglobin through high performance liquid chromatography (HPLC) provides the most complete means of measuring the effectiveness of diabetes therapy. Tosoh's high resolution chromatograms with real haemoglobin fraction separations provide a clear picture for meaningful result interpretation.

Our HbDrive® software can manage all your HbA1c results efficiently:

- Standardised decision-making process: flags, notes, rules, recommended procedures.
- Embedded Tosoh's expertise for accurate and consistent chromatogram interpretation.
- Reduced time for result interpretation.
- Consistent proficiency regardless of operators HPLC experience.

TO 6 MINS WITH HbDrive®

MANAGE YOUR HbA1c PRODUCTIVITY CHALLENGES

We developed our HbDrive® software with customers for customers, to meet your exact needs in terms of lab performance and result interpretation.

HbDrive® in your lab reduces sample validation time by 90%.

While consistently producing standardised consistent result interpretation, because when life is at stake, only excellence counts.

CUSTOMISE YOUR OWN SMART PROCESS TO VALIDATE YOUR RESULTS

HbDrive® software has Tosoh's 35 years of HbA1c testing expertise embedded in it. Most result validation is automated. Set your own rules to maximize chromatogram information exhausting all details without losing precious information.

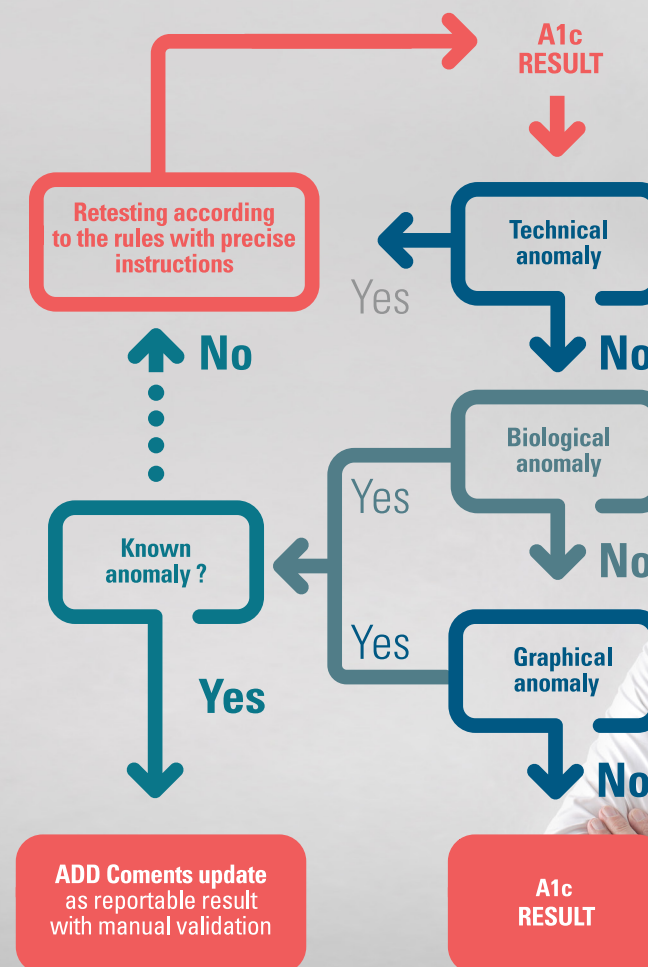
1. Customise your HbDrive® configuration to your lab's requirements.
2. Create your standardised decision-making process: notes, rules and workflow instructions to safely manage abnormal results.
3. Share your expertise. Provide personalised advice to clinicians for better patient follow-up.



HbDrive® developed with customers for customers.



HbDrive® ADAPTS TO YOUR LAB



Improve your lab's performance. With HbDrive®, it's possible to do more with less.



CUSTOMISE MORE

Set error flags and specific instructions for lab personnel according to your standard operating processes providing additional information and guidance when needed.

During installation you can choose the information to share with LIS and clinicians in patient reports so no detail stays behind.

EMPOWER STAFF MORE

Automate operator management according to your employees' individual skill level and experience in interpreting glycated haemoglobin HPLC results.

PRODUCE MORE

All important information is clearly visible at all times so you can focus attention where it's needed most.

With both local and remote access, you optimise your resources at the best of their capabilities.

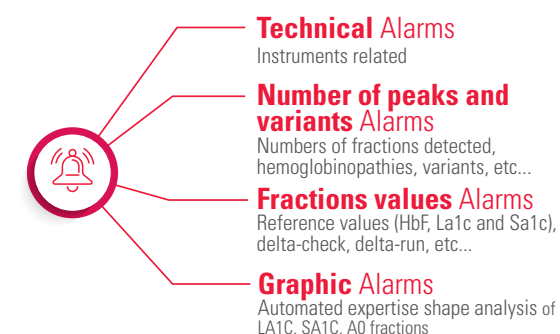
MAKE YOUR TEAM'S WORKFLOW MORE PRODUCTIVE

AUTOMATED EXPERTISE AT YOUR FINGERTIPS

With HbDrive®, result management, result ranking and decision-making are driven by combined expertise of Tosoh and your laboratory.

Results either receive automated technical validation, or programmed classification using POST-IT for rerun or further escalation of the analysis.

Alarms show where attention is required and generate a note that provides predefined instructions specific to your lab for a safe, standardised and efficient workflow with complete chromatogram interpretation consistent and free from subjectivity.



| | | |
|-------|------|-------|
| TP | RT | TATH |
| HVHZ | HV43 | |
| SA1c4 | HbF2 | |
| Sh_s | Sh_I | Sh_A0 |

EFFICIENCY AND STANDARDISATION ALL IN ONE

TRANSFORM A1c RESULTS INTO MEANINGFUL CLINICAL INSIGHTS



90% OF RESULTS ARE VALIDATED AUTOMATICALLY



MORE OVERALL PERFORMANCE IN YOUR LAB

- Expert and standardised results analysis
- Automatic decision-making process based on pre-established rules
- Technical and/or biological validation using TAGs for seamless communication
- Classify abnormal samples using POST-IT

- Expert results analysis available anytime, anywhere for everyone
- Increase sample volume capability with reduced impact for your team
- Meet stringent quality requirements with automated guided procedures



RELEASE MORE QUALITY RESULTS WITH LESS EFFORT

With HbDrive's help in interpreting chromatogram results, you bring the focus back to pathological needs. The chromatogram provides a detailed visualisation of all fractions, where each fraction can be highlighted with a colour code.

HbDRIVE® ALLOWS THE CUSTOMISABLE TRANSMISSION OF HIGHLY SPECIFIC RECOMMENDATIONS FOR CLINICIANS

ACCESSIBLE EXPERTISE

01

SAFE ACCESS
Fixed IP address assigned to HbDrive® and its web server.

02

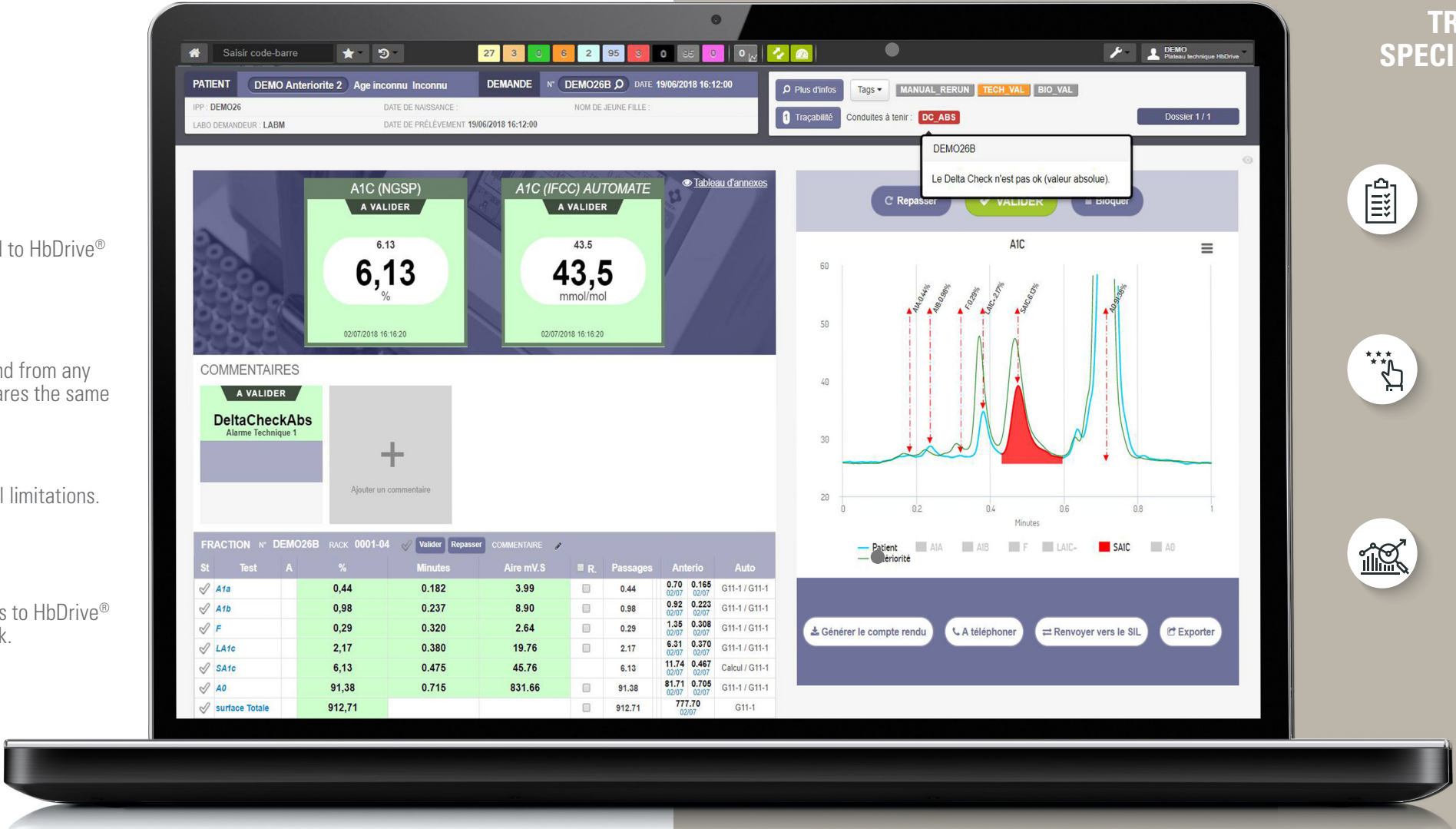
MULTI-USER ACCESS
Access simultaneously and from any computer station that shares the same network as HbDrive®.

03

MULTISITE ACCESS
Without any geographical limitations.

04

INTEGRATED
All necessary connections to HbDrive® pass through this network.



NOTES,
STANDARDISED GUIDANCE
AND INFORMATION REGARDING
SAMPLE RESULTS



CONSISTENT RESULTS AND
STANDARDISED INTERNAL
PROCEDURES AS A UNIQUE
SUPPORT FOR ACCREDITATION
NEEDS



DELTA CHECK TO COMPARE
PREVIOUS RESULTS BY
CHROMATOGRAM OVERLAYING
TO TRACK PATIENT'S EVOLUTION

HbDrive®

DESIGNED WITH YOU, FOR YOU
MORE PRODUCTIVITY,
LESS COMPLICATION

1.

Tosoh's chromatogram expertise is embedded in HbDrive® to always deliver top quality results.

2.

Customise HbDrive® to your lab staff's skills and your lab's needs.

3.

Reduce sample validation time by 90% and increase your productivity.

MONITOR DIABETES THE BETTER WAY.

Tosoh automated results expertise for **HbA1c** testing Better diagnostics **for better living**