REACH YOUR TARGET WITH HUMEQAS

Keep your customers loyal and address new targets offering online proficiency testing



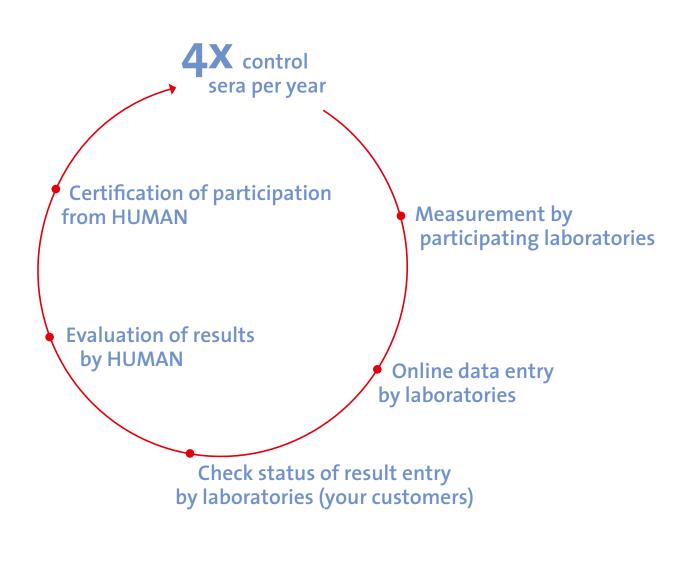


WELCOME TO HUMEQAS – HUMAN'S EXTERNAL QUALITY ASSESSMENT SERVICE

All over the world the demand for standardisation and quality control in clinical diagnostics is developing rapidly. HUMAN takes care of this development. With HumEQAS HUMAN provides a service that will be available to all laboratories worldwide.* HumEQAS is designed to support you and your customers.

WHAT IS HUMEQAS?

HumEQAS is HUMAN's web based, international proficiency test programme for external quality control. It helps laboratories ensure that their test results are precise, reliable and comparable, irrespective of where in the world they are obtained.



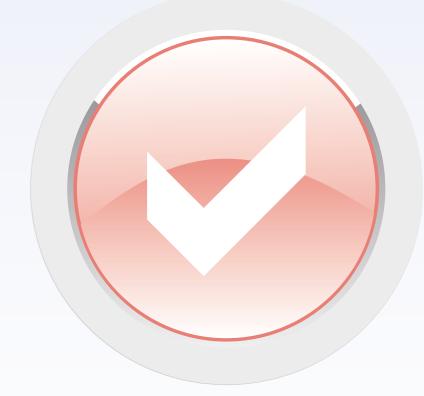
HOW DOES HUMEQAS WORK?

As our partner, you are the intermediary between HUMAN and the laboratories. You order and receive the freeze dried HumEQAS control sera four times a year and send them to the participating laboratories.

The control sera are used as blank samples to determine the HumEQAS laboratory parameters. Either the laboratory or you enter the resulting data, and the test results can also be accessed through the web portal. HUMAN evaluates the results and issues a certificate confirming the participants' success in the programme.



BENEFITS FOR YOUR CUSTOMERS



• QUALITY CONTROL

Regular external review provides your customers with certainty about the diagnostic quality of their work.

INCREASED DIAGNOSTIC QUALITY

Systematic errors are identified so you can avoid them in the future.

ASSESSMENT OF STATUS QUO

Your customers can compare the measured results and thus their performance at national and international levels.

COMPETITIVENESS

National requirements* may allow your customers to participate in training and qualification measures.

• USER FRIENDLINESS

Customers can easily register, log in and enter and access results online. If your customers lack internet access, you as a HUMAN distributor can handle these steps for them.

• RELIABILITY

As a HUMAN distributor, you guarantee timely delivery of control samples.

• IDENTICAL CONDITIONS

High quality and stable samples, transported and stored at 2 to 8°C, ensure that your customers obtain a proper comparison and that you can always deliver promptly and reliably.

GLOBAL AVAILABILITY

HumEQAS is available anywhere in the world HUMAN products are used.

* Kindly consider national requirements for accredited External Quality Assessement Services as HumEQAS are currentely not accredited by German authorities

BENEFITS FOR YOU



COMPLETE PACKAGE

Proficiency tests are an increasingly important instrument in laboratory diagnostics that can represent a useful addition to your product portfolio.

• CUSTOMER LOYALTY

This additional service strengthens your customers' loyalty.

• QUALITY MADE IN GERMANY

Now, you can offer your customers an online proficiency test programme in addition to the existing, high quality HUMAN reagents. This programme's software is certified and has been tested in German institutions and government agencies.

• SYNERGY

You benefit from using the existing logistics channel.

• NEW BUSINESS OPPORTUNITIES

Proficiency tests can help open doors for the sale of reagents and systems. Also, you obtain important market data on the reagents and equipment in use. This data is available on request (via additional licenses). Furthermore, you can proactively offer support for HUMAN products.



10 STEPS TO THE GOAL

This is all your customers need to participate in HumEQAS.





Statistical evaluation of results



Online entering of results by participating laboratories and/or by distributor

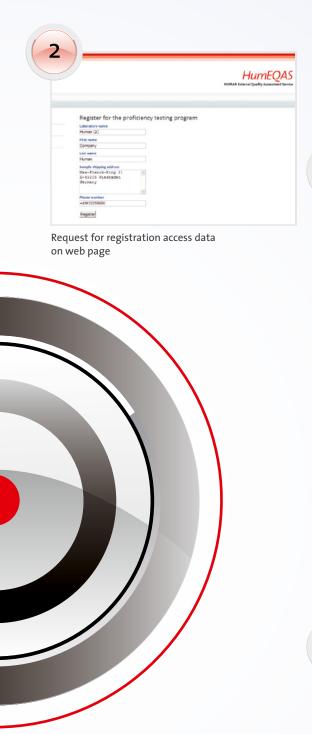


Interested in HumEQAS?





Measuring of HumEQAS samples

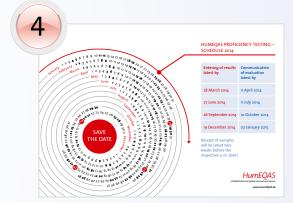




We will send you the necessary samples soon. You can then enter your measurement data by clicking on the following link: http://isb.human.de/ED/taige_meite.php?ringvermuch?iisbor=1 Kind regards
Frank Hinich
Frank Hinich
Euman Geselischaft fur Sicchemica und Diagnostica shE

Human Gesellschaft für Biochemice und Fingnostice wh Geschäftsfährer: Raiph Neuberger Vorsitzender Ges Beirteit Dr. Thomas Guth Vießbaden IBB 10762 Neur-Flanck-fing fil, 6205 Vießbaden / Germany mailtei infolhuman de http://www.human.de

Receive registration confirmation with personal access data



Information of proficiency test (PT) schedule



Register online for PT tests



Receipt of samples with regular shipments

HumEQAS

CLICK BY CLICK TO TEST RESULTS



1. REGISTRATION OF THE DISTRIBUTOR

- Use the contact form at www.humeqas.de to register as a HumEQAS distributor, or contact your Int. Sales Manager directly.
- You will then receive an email from HumEQAS with your login data as a distributor.
- The login data give you access to the proficiency tests and administration of your customers' participation.

2. REGISTRATION OF LABORATORIES

www.humeqas.de

• You will receive an email when customers register. You confirm the registration on the HumEQAS web portal. Your customer will then receive its login data via email.

3. REGISTRATION FOR HUMEQAS RING TEST

- The customer logs into the web portal, selects the proficiency test and submits the application.
- As a distributor, you receive an email notifying you that the customer wants to sign up.
- Once you log into the web portal, you can approve the customer for the proficiency test. We recommend approving the customer only after it has paid the fees for the proficiency test.

98 53		HUMAN External quality Assessment Service
HOMEPAGE REGISTER INFORMATION	Register for the proficiency testing program Lateratory same Flext name Lateratory sale Sample shipping address Phone number Phone number	

HOMEPAGE	Register	for ring test	
DATA ENTRY	Ring tests	Status	
REGISTER FOR RING TEST	CICh	Details	
CHANGE PASSWORD	R002	Registration pending	
	R003	Details	
NFORMATION	CCI-2014-01	Registration pending	

HOMEPAGE	Status of ri	ing tests	
STATUS OF RING TESTS	Ring test		
MANAGE USERS	CICh		Select
CHANGE PASSWORD	Ring test overvie	w Ring test	applications
INFORMATION	Laboratory	Lab code	Status
LOGOUT	Bodo Schiwy	Bodo Schiwy	Confirm registration
			Decline registration
	blacul	blacul	Registered

HOMEPAGE	Status of	f ring tes	sts		
STATUS OF RING TESTS	Ring test				
MANAGE USERS	CICh			Select	
CHANGE PASSWORD	Ring test ov	erview Ring	test applications		
INFORMATION		CSV: participan CSV: measurem			
LOGOUT					
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	RT name	Lab name	Finished		
	CICh	Bodo Schiwy		Measurement entry	
	CICh	117		Measurement entry	
	CICh	240		Measurement entry	

- After approval, the customer can enter results.
- Enhancements and modifications to new methods, as well as the entry of new analytical equipment and reagent manufacturers, can be done online.
- You can also create customer accounts manually.

4. ORDER OF HUMEQAS BY THE DISTRIBUTOR

- Send HUMAN an order with the number of individual proficiency tests for the year, paying attention to the respective submission deadlines.
- The number of participants in shown under STATUS OF RING TEST. You can download the participant lists for each proficiency test individually.

Manage source Manage

HOMEPLEE	Manage use	rs	
STATUS OF RING TESTS	Oreste new uper	Manage existing uper	Tableview
MANAGE USERS			
CHANGE PASSWORD		one of the following exist	of upora:
Accessing and successing and	117		
INFORMATION	166		
	215		
LOGOUT	222		
	24		
	242		
	2.18		
	2:02		
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5. PARTICIPANT ADMINISTRATION BY THE DISTRIBUTOR

- You log in and either create a new customer account, or
- you can modify customer master data and view and export a list of your customers.

HumEQAS

HOMEPAGE	R003 Labor 1 Measured values				
DATA ENTRY	Analyte	Sample	Unit		Stabus 1
REGISTER FOR RING TEST	Albumine	Soo1	e/l	5.41	Status 1
	Albumine	5002	g/1	4,30	
CHANGE PASSWORD	Calcium	5002	mmol/l		
	Calcium	5002	mmol/1	2.01	
LOGOUT	Bilirubin direct	5001	mg/dl	1.01	
	Bilirubin direct	5002	ng/dl	0.92	
	Glucose	\$001	mmol/l	267	
	Glucose	\$002	mmol/l		
	Chloride	5001	mmol/1	124	
	Chloride	\$002	mmol/1		
	Alanine Amino Transferase (ALT, GPT)	\$001	U/I	130	
	Alanine Amino Transferase (ALT, GPT)	\$002	0,1	25	
	Potassium	\$001	mmol/1	6,9	
	Potassium	\$002	mmol/1		
	Lactate Dehydrogenase	\$001	U/I	523	

Data entry part of laboratories

6. RESULTS ENTRY BY PARTICIPATING LABORATORIES

- Your customers enter their results and additional information for the analysis.
- Initially, they can only save or directly send the results.
- They cannot make any corrections after sending the data.

Note: Using your login, you can handle results entry for customers lacking internet access.

7. DISTRIBUTORS VIEW

- Here, you can see how many customers have registered for a proficiency test.
- You can view the current status for each laboratory and downloads its results.
- You can also unlock results entry for your customers.
- Additionally, you can send reminders to your customers.

8. CERTIFICATE

 Each participating laboratory will receive a certificate of participation as well as a certificate of successful participation in the proficiency test.

HOMEPHON	Status of r	ing tests	
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MANAGE CIENC			
Change Pallworks	Engineticsevia	n Ergter	applications
n/okvahov	LABORADY		Status
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	Bath Schiny	Bode Schlag	Decline replatation
	almul.	1000	Engineeri

Overview of registered customers

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Closin Closin Con Con Con	g data: labrare box 3/m 117 240	03.31.14	Manufactures
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Status of data entry for respective

PROFICIENCY TEST. CICh 2014-01		PARTICIPATING LABORATO PARTICIPATING LABORATO
IN MONTH MARCH 2014		Contact at participating laborate
PARTICIPANT NO. 00012		Street address of participating laborate
ISSUED ON: 12:01:13		City of participating laborate
	CEDTIFICATE	
	CERTIFICATE	
	ou participated in the proficier	
for clinical chemistry anal	ytes in serum. You have met th	e requirements of the
proficiency test for the fol	lowing parameters:	
ALPHA-AMYLASE	CHOLESTEROL TOTAL	MAGNESIUM
ACID PHOSPHATASE	CREATINE KINASE	PANCREAS AMVLASE
ALANINE AMINOTRANSFERASE (ALAT.GPT)	CREATININE	PHOSPHORUS
ABUMIN	GAMMA-GLUTAMPL TRANSFERASE	POTASSILIM
PHOSPHATASE	GLUCOSE	PROTEIN TOTAL
ASPARTATE AMINOTRANSFERASE	HDL-CHOLESTEROL	SODIUM
(ASAT, GOT)	IRON IRON	TRIGENCERIDES
BURUBINDIRECT	IRON LACTATE DEHYDROGENASE	UREA
BLIRUBIN TOTAL	(LDH)	URIC ACID
CALCIUM	LDL-CHOLESTEROL	ZINC
CHLORIDE	LITHIUM	
7 allente		
Frank Minich Product Manager		
HumEQAS		
	_	
		HumEOA.

THAT'S HOW WE SUPPORT YOU





WEBSITE

56	HumEQAS HUMAN External Quality Assessment Service
HumEQAS Online Homepage	
TON Version Personne Personni	
Login	
Bestjoerst new password Bestjoer	

WEBPORTAL

CERTIFICATE We hereby confirm that you participated in the proficiency test CICh 2014-01 for clinical chemistry analytes in serum. You have met the requirements of the proficiency test for the following parameters: ALPHA-AMYLASE ACID PHOSPHATASE CHOLESTEROL TOTAL ACID PHOSPHATASE CREATINE KINASE ALANINE AMINOTRANSFERASE CREATININE (ALAT, GPT) CREATININE MAGNESIUM PANCREAS AMYLASE GAMMA-GLUTAMYL TRANSFERASE (GGT) ALBUMIN PHOSPHORUS PHOSPHATASE POTASSIUM GLUCOSE ASPARTATE AMINOTRANSFERASE (ASAT, GOT) PROTEIN TOTAL HDL-CHOLESTEROL SODIUM BILIRUBIN DIRECT IRON TRIGLYCERIDES BILIRUBIN TOTAL LACTATE DEHYDROGENASE (LDH) UREA CALCIUM URIC ACID LDL-CHOLESTEROL CHLORIDE ZINC LITHIUM

CERTIFICATE

Help your customers improve their diagnostic quality, as we are all dedicated to the wellbeing of patients.

Keeping that in mind HumEQAS can really make a difference.



HUMEQAS CLINICAL CHEMISTRY



Ordering information Please order all 4 sample at one time for one year in advance	REF
Proficiency Test first quarter, two lyophilized samples	13100010
Proficiency Test second quarter, two lyophilized samples	13100020
Proficiency Test third quarter, two lyophilized samples	13100030
Proficiency Test fourth quarter, two lyophilized samples	13100040

The proficiency tests are dispatched no later than 6 weeks before the deadline for results submission.



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