

表 2

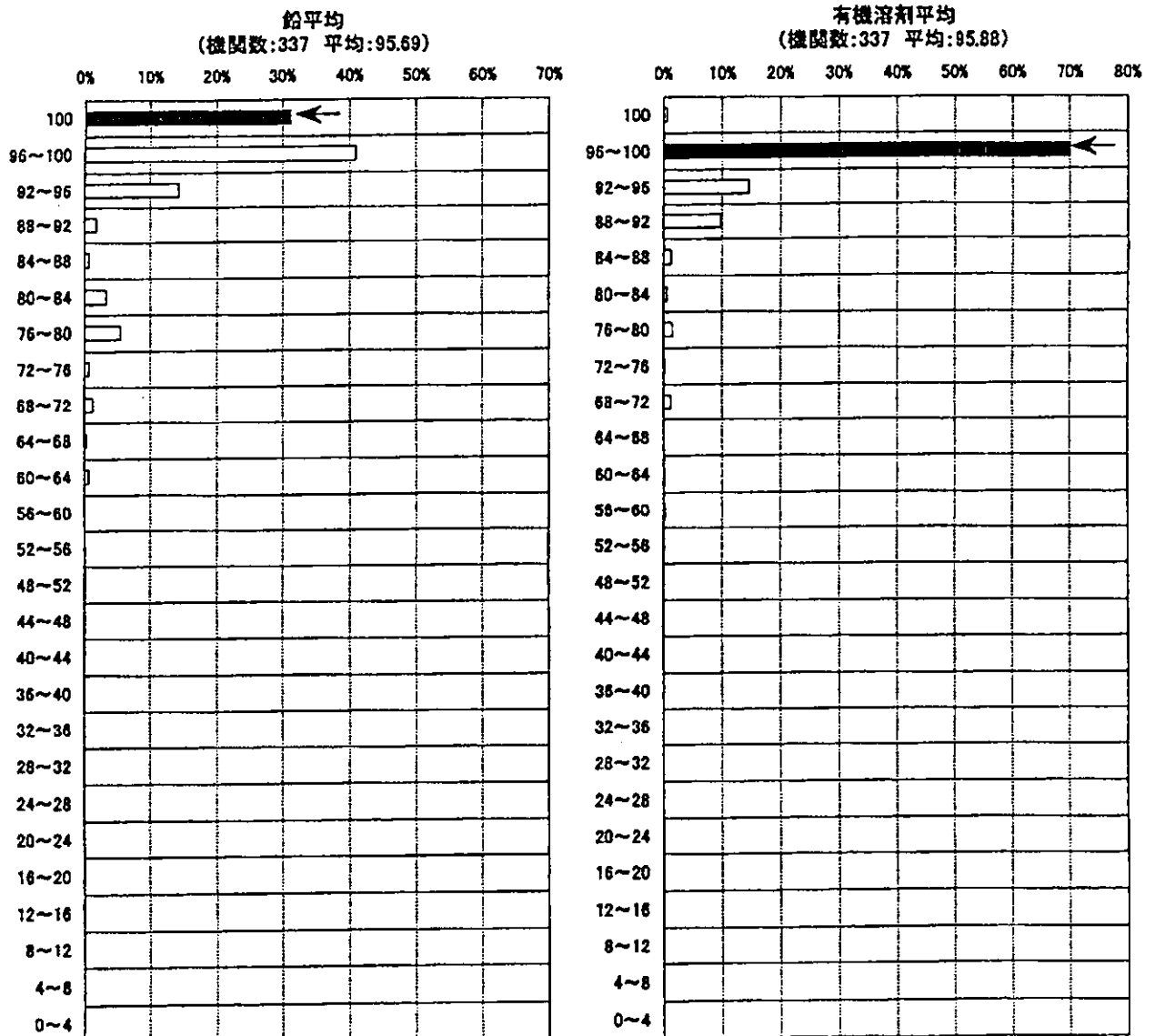
平成13年度 第15回鉛・有機溶剤に係る生体試料検査に関する精度管理調査 評価点一覧表

機関コード :

機関名 :

項目名	外部機関コード	測定方法	測定値 (上段: 試料重量 下段: 貴機関の測定値)										評価点						過去の評価点									
			①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	①	②	③	④	⑤	⑥	回収率	再現性	PI	評価点 (44点)	標準点 (100点)	第14回	第13回	第12回		
PH-B	057	1-1	4.0 4.0	6.8 6.8	9.0 9.0	11.8 12.1	25.4 25.4	28.8 28.8	27.7 28.9	48.4 50.1	48.4 50.1	81.8 82.7	3	3	3	3	3	3	6	9	9	4	4	44	100.0			
ALA	057	3-6	0.8 0.9	1.8 1.8	2.0 2.0	2.2 2.2	5.0 4.0	7.8 8.9	11.7 12.2	12.2 14.7	14.7 14.7	3	3	3	3	3	3	6	9	9	4	4	44	100.0				
HA	057	4-1	0.25 0.25	0.48 0.51	0.50 0.51	1.11 1.13	1.81 1.81	2.01 2.01	2.08 2.11	2.88 2.99	2.88 2.71	1.70 1.71	3	3	3	3	3	3	6	9	9	4	4	43	97.7			
MHA	057	4-1	0.20 0.20	0.21 0.20	0.35 0.40	0.44 0.40	0.55 0.51	0.81 0.81	1.72 1.78	1.78 1.80	2.31 2.31	3	3	3	3	3	3	6	9	9	4	4	44	100.0				
TYC	057	5-1	8.8 8.7	87.4 87.4	87.4 87.4	203.0 203.0	213.8 213.8	240.0 241.8	281.8 292.8	411.8 419.5	428.5 448.8	480.2 488.8	3	3	3	3	3	3	6	9	9	4	4	44	100.0			
TCA	057	6-1	2.2 2.3	20.8 20.8	41.2 42.4	71.4 71.4	81.2 81.9	108.8 107.1	142.8 153.7	151.8 153.7	181.8 183.7	213.2 214.0	3	2	3	3	3	3	6	9	9	4	4	43	97.7			
MA	047	6-1	0.25 0.25	0.51 0.51	0.51 0.51	0.70 0.72	0.81 0.81	1.41 1.51	1.51 1.51	1.80 1.80	2.89 2.89	3	3	3	3	3	3	9	9	9	4	4	43	97.7				
HD	057	6-1	0.6 0.5	1.2 1.1	1.5 1.5	1.8 1.8	3.0 2.9	7.8 7.8	11.8 12.4	12.7 12.4	15.2 16.1	3	3	3	3	2	2	5	9	9	4	4	40	89.8				

表 3 平成13年度 第15回鉛・有機溶剤に係る生体試料検査に関する精度管理調査 評価点ヒストグラム
機関コード : 機関名 :



■の部分(矢印(←)が表示されている部分)が貴機関の評価結果を示す位置です。未測定的项目については表示されません。縦軸は100点換算の評価点で、横軸は件数の比率を表しています。縦軸(96~100)は『96点以上100点未満』を示しています。

Inventory Of External Quality Assessment Programs

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Argentina	Programa Buenos Aires (ProgBA)	progba@cemic.edu.ar	Galvan 4102, 1431 Buenos Aires, Argentina, Phone +54 11 4546 8254, FAX + 54 11 4543 42407 4546 1142	www.cemic.edu.ar/ NVESTIG/progba. htm	Academic	Chemistry, Hematology, Immunology/Serology, Newborn Screening	Monthly	Public and private laboratories in Argentina and other parts of Latin America/ 381	Yes	Established in 1979
Argentina	Programa de Evaluación Externa de Calidad (PEEC)	dmpeec@netverk.com .ar	Calle 6 #1344, La Plata (1900), Argentina Phone - +54-221-4231 Fax- +54-221-4232021	www.fba.org.ar		Clinical Chemistry, Hematology, Parasitology, Bacteriology, Serology, Urine Coagulation, Instrumental Control, Immunology, Blood Gases, Therapeutic Drug Monitoring, Endocrinology, Tumor Markers, Newborn Screening, Mycology, HIV Viral Load	Depending on the specialty, from monthly to twice a year.	3350 laboratories Public and private hospitals, private laboratories, manufacturer's laboratories, high and low complexity) at national level.	Yes	Participation in International Schemes from WHO through respective specialties in Clinical Chemistry, Hematology, Parasitology and Bacteriology. Sybilis scheme from CDC. The Web site is in Spanish but translated link in English is under construction.
Australia	National Serology Reference Laboratory Quality Assessment Program (NRL QAP)	chris@nrl.gov.au	National Serology Reference Laboratory, 4th Floor, Healy Building, 41 Victoria Parade, Fitzroy VIC 3065 Phone- (03) 9418 1111 Fax -(03) 9418 1155	www.nrl.gov.au/		Immunology - HIV, HCV, and HTLV Serology, Measles and Rubella serology, Chlamydia trachomatis Microbiology - HIV and HCV nucleic acid testing Molecular Infectious disease	2 - 3 times per year with up to 10 challenges	Australia		accredited to ISO Guide 25 and certified to the ISO9001 standards
Australia	RCPA Quality Assurance Programs PTY Limited	s.bryant@abctn.com.au	207 Albion Street, Surry Hills NSW 2010, Australia - Phone- 61 2 8356.5800 (program office), 613 9594.4310 (Prof. Bryant) Fax - 61 3 9594.2061 (Prof. Bryant)	www.rcpaqap.com	Professional	Chemistry-General, Tox, Endocrine, Gases, Urine, Biogenic Amines, Neonatal Bilirubin, CO-oximetry, IGF I/C Peptide, Glycohaemoglobin, Near Patient Testings, Porphyrins, Lipids, Drugs and Antibiotics, Tumour Markers, Urine Pregnancy, Alcohol/Ammonia, Vitam	3-24 times per year, depending upon module	Varies from program to program from 20 to 600 Australia, New Zealand, International	Yes	
Belgium	Belgian Official EKE schemes	jean- claudelibeer@jph. fgov.be	Scientific Institute of Public Health, Clin Biol. Dept., J. Wytismansstrat 14, B-1050 Brussels, Belgium Phone 322 642 55 27 Fax- 322 642 56 45	www.iph.fgov.be/C linBiol/UK/index.h tm	Government	Chemistry, Immunoassays, Immunohematology, Immunology, Virology, Microbiology, Parasitology, Flow cytometry, Sperm analysis, Allergens Hematology - Coagulation				

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Belgium	HIV-1 Genotyping Proficiency Testing Program	Paula McKenna@virc olab.com	VIRCO, Gen. DeWittelaan L 11B 4, B-2800, Mechelen Phone - 32 15 286 320 Fax - 32 15 286 346	www.vircolab.com	Commercial: Virco	Microbiology - Virology (nucleotide sequencing)	3 times per year	International, open and voluntary	No	
Bolivia	Eqas Clin Chem Bolivia	caricam@albatros.edu. uy			Chemistry					
Brazil	Citomeidia Imagens	petrodis@citomeidia.o rg.br		www.citomeidia.org .br		Cytology				digital pictures sent+L23 via internet
Brazil	Eqas Brazil		Quality Control Comission, Sociedade Brasileira de Patologia Clinica, Departamento de Patologia Clinica da AMB, Rua Dois de Dezembro, 78, CEP 22220-040, Rio de Janeiro, Brazil Phone 55 21 205-3491, FAX 55 21 205-3386			Bacteriology, Chemistry, Coagulation, Hematology, Immunology, Parasitology				
Brazil	PELM: Programs of External Quality Control	control@psinet.com. br	Rua Ana Neri, 416 Benfica, 20911-440, Rio de Janeiro - RJ, Brasil Phone - 55 21 3891.9900 Fax - 55 21 3891.9901	www.control- lab.com.br		Chemistry - General, Tox, Urine Hematology - Basic Coagulation Microbiology - Bacteriology, Mycology, Mycobacteriology Immunology, Immunohematology				
Brazil	PICQ-MM: Programs of Incentive to Quality Control	shp@sbp.org.br	Rua Ambrosina de Macedo, 79, 04013-030, S. Paulo - SP, Brasil Phone - 55 11 5571.5298 Fax - 55 11 5572.5349	www.sbp.org.br		Anatomic Pathology	4 times per year, send 8 cases by CDROM	150	Yes	
Brazil	PNCG - National Program of Quality Control	pncoq@pncoq.org.br	Rua Vicente Licinio, 95 Tijuca, 20.270-902, Rio de Janeiro - RJ - Brasil Phone - +55 21 2568 1141 Fax- +55 21 2569 8925	www.sbaac.org.br		Chemistry - Urinalysis Cytology Hormones and Liquor, Immunology, Tumor markers and Drugs, Microbiology		1900 Brazil, Paraguay	Yes	

Country/ Region	Program Name	Contact / mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Canada	Canadian Immunology Quality Assessment Program (CIQAP)	Frank_Mamly@HC- SC.CC.CA	Health Canada LCDC, 0603BITunney's Pasture Ottawa, Ontario K1A 0L2	www.HC- SC.CC.CA/PHB- DGSPSPNLI.HI- LNIV/index.html	Government	HIV Immunology	6 Time per year	Clinical laboratories from the Canadian HIV Trials Network (CTNI)/ 50		
Canada	CEQAL	dsecombe@ceqal.co in	307-2083 Alma St., Vancouver, BC, V6R 4N6, Canada Phone - (604) 222-1355 (Ext. 4) Fax - (604) 222-1373			Andrology Chemistry - General, Lipids (lipid reference methods) Hematology, Transfusion Medicine, Clinical Microscopy, Diagnostic Immunology, Microbiology - Bacteriology, Mycobacteriology, Mycology		500 - Canada: mandated in 4 provinces, also some US labs		
Canada	Clinical Microbiology Proficiency Testing (CMPT)	cmpt@interchange.ub c.ca	CMPT, Room 328A, 2788 Heather Street, Vancouver BC Canada V5Z 1M9 Phone - 604.875.4685 Fax - 604.875.4100 e-mail - cmptinterchange.ubc.ca	www.cmpt.ca		Microbiology - Clinical Bacteriology, Gram stain, Mycology, Parasitology, Water Bacteriology	4 send-out per year. Variable number of samples per send-out	National, some international mandated and voluntary	Yes	
Canada	College of Physicians and Surgeons of Alberta	lmeInyk@cpsa.ab.ca	900 Manulife Place 10180-101 Street, Edmonton, Alberta T5J 4P8 Phone - (780) 970- 6208 Fax - (780) 420- 0651	www.cpsa.ab.ca		Hematology- Basic, Coagulation, Immunohematology	6 - 12 challenges per year depending on specialty	239 (public and independent)	Yes	
Canada	DigitalPT	dsecombe@HealthM etrx.com	HealthMetrx, #307-2083 Alma St., Vancouver, BC V6R 4N6	www.digitalPT.co m	Canadian External Quality Assessment Lab.	Andrology Chemistry - General, Lipids (lipid reference methods) Hematology, Transfusion Medicine, Clinical Microscopy, Diagnostic Immunology, Microbiology - Bacteriology, Mycobacteriology, Mycology				
Canada	Le Centre de toxicologie du Quebec (INSPQ)	ctq@inspq.qc.ca	Centre de toxicologie, Direction de la toxicologie humaine, INSPQ, 945 Wolfe Avenue, Sainte- Foy, GIV 5B3 Quebec, Canada Phone: 418-654- 2254	http://www.ctq.qc.c a/		Toxicology - trace metals in blood, serum, and urine				

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Canada	QMPLS - Quality Management Program - Laboratory Services	webmaster@qmpls.org	Quality Management Program-Laboratory Services, 1510 - 250 Bloor Street East, Toronto, Ontario M4W 1E6	www.qmpls.org	Government	Chemistry - Basic, Enzymes, Lipids, Endocrine, Tox, Maternal Serum Screening, POCT Immunology Immunohematology Microbiology - Bacteriology, Mycology, Parasitology, Virology Genetics - Molecular, Cytogenetics	2 to 4 times per year, varies by specialty and subspecialty	Laboratories in 46 countries/ 130		
Canada	Quality Assessment Program for Measures Relevant to HIV/AIDS (QAS)	Frank_Mandy@HC-SC.GC.CA	Health Canada LCDC, 0603B ITunney's Pasture Ottawa, Ontario K1A 0L2	www.HC-SC.GC.CA/PPHB-DGSPSP/NLHI-LNIV/index.html	Government	HIV Immunology	Twice per year			
China (People's Republic of China)	CNEQAS -Chinese National External Quality Assessment Schemes	cnccl@mx.cei.gov.cn	EQA Laboratory, National Center for Clinical Laboratory, 1Dabua Road, Dongdan, Beijing Hospital Compound, Beijing 100730, P. R. China Phone - 8610-65273025 Fax -8610-65132969	www.clinet.com.cn	Government	Chemistry - Basic, Enzymes, Lipids, Dry Chemistry, Endocrine, Caretic markers, Tumor markers, Special Protein, Neonatal Screening, Urinalysis Hematology- Basic, Coagulation, Flow Cytometry, Microbiology	2 to 3 times per year, varies by specialty and subspecialty	National, open voluntary	Yes	accredited to ISO Guide 25
China (People's Republic of China)	Eqas China	clab@publicz.sta.net	Shanghai Center for Clinical Laboratories, 3/120 Tan An Road, Shanghai 200052, China FAX 86 21 6283 0935			Bacteriology, Chemistry, Coagulation, Hematology, Immunology				
Congo, Democratic Republic	Eqas INRB Congo	INRB- Congo@MAF.org	Director, Institute de Recherche Biomedicale, Av. Des Huileries, Kinshasa, Congo Phone 00243 88 45349			Chemistry, Coagulation, Hematology, Immunology, Microbiology				
Cuba	Eqas CECMED-MINSAP Cuba	secal@cecmec.sld.cu	CECMED-MINSAP, Calle 23 Nol 177, Ciudad de la Habana, CP-10600, Cuba			Chemistry, Hematology				
Cuba	External Quality Assurance and Assessment Program (EQAAP)	cccexterno@cte.sld.cu	Immunoassay Center, PO Box 11600, Calle 134 y Ave. 25, Rpto. Cubanacán, Playa, Havana, Cuba. Phone - 28-25-42 28-29-29 Ext 205 Fax -28-65-14			Immunology - Infectious disease, inborn metabolic disease, Immunoassays	Monthly (Quantitative assays 2 controls and Qualitative assays 8 controls)	116 - National (mandated); some international (voluntary)		Program started in 1988. Participation in some International Schemes.

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Cuba	NEQAS Cuba		National Reference Laboratory, Hnos., Ameijeiras Hospital, San Lazaro 701, Havana 3, Cuba Phone 53 7 635072, FAX 53 7 335036			Chemistry				
Czech Republic	SEKK-EQA	sekk@sekk.cz	SEKK spol. S.r.o., Bartolom jska 90, 530 02 Pardubice, Ceska republika, and P.O. box B35, 530 02 Pardubice, Ceska republika Phone - 420-40-6530 230 Fax - 420-40-6530 874	www.sekk.cz		Chemistry, Hematology - Immuohaematology, Immunology		Czech and Slovak Republics		
Denmark	Dansk Institut for Ekstern Kvalitetsstyring for laboratorier i Sundhedssektoren, DEKS (Danish Institute for External Quality Assurance for Laboratories in the Health Sector)	adam.uldall@deks.dk	54 M1, Herlev Universitets Hospital, DK- 2730 Denmark Phone - 454488 3310 Fax - 454453 5369 e-mail : deks@deks.dk	www.deks.dk/						website is in Danish - DEKS provides essentially all surveys in Denmark, but most of the schemes are purchased abroad (from Dr. Uldall)
Egypt	Eqas Egypt		Central Health Laboratory, 19 Sheikh Rihan Street, Falaky, Cairo			Chemistry, Coagulation, Hematology				
Eritrea	Eqas Hem Eritrea		Ministry of Health, Central Health Laboratory, Abiot Street 83, P.O.B. 1686, Asmara, Eritrea			Hematology				
Ethiopia	Eqas HIV Ethiopia	etsa@eth.healthnet.or g	Ethiopian Health and Nutrition Research Institute, Addis Ababa, Ethiopia Phone 00251 1 751522 FAX 00251 1 754744			HIV				

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Europe	ERNDIM EQAS - The European Research Network for the evaluation and improvement of screening, diagnosis and treatment of Inherited Metabolic Disorders External Quality Assessment Schemes	baudouin.francois@luc.ac.be	Phone - 44 114 271 7404 (Dr. Bonham) Fax -44 114 276 6205 (Dr. Bonham) e-mail: sstenjb@vip.solis.co.uk	www.erndimqa.nl		Chemistry - Metabolic disease assays	7 schemes, quantitative schemes shipped once per year, qualitative schemes 2-3 times per year	total of 220 primarily European countries, some offered worldwide	Yes	
Finland	Institute of Occupation Health		Biomonitoring Laboratory, Arinatie3, SF-00370 Helsinki, Finland Phone- 358-0-538961 Fax- 358-0-556157			Chemical Exposures- Mandelic acid, Pheno, Trichloroacetic acid, Methylhippuric acid				
Finland	LABQUALITY EQAS	mauri.keinanen@labquality.fi	Labquality, Rataaestartinkatu 11, FIN-00520, Helsinki, Finland Phone - 358 9 2293 3230 Fax -358 9 2293 2310	www.labquality.fi		Chemistry - General, Lipids, Hormones, Andrology, Tox, Tumor Markers, Urine Andrology Hematology - General, Cosgulation Immunology Instrumentation Microbiology - Bacteriology, Virology, Parasitology Histopathology Cytology- Anatomic Pathology- Genetics- C	1 to 6 times per year	2280 labs in 1999 - International (32 countries in 1999)	Yes	ISO 9002 certified since 1996
Germany	DGKC - Deutsche Gesellschaft für Klinische Chemie (German Society for Clinical Chemistry)	info@DGKC-online.de	Referenzinstitut für Bioanalytik (Reference Institute for Bioanalytics), Im Mujembach 52a, D-53127, Bonn Phone - 0228/21 50 25/26 Fax - 0228/21 15 29	www.dgkco- online.de		Chemistry - General, Tumor markers, lipids, urine, blood gases, Tox Immunology - Immunohematology Hematology - Cosgulation, Molecular Pathology, Photometer control				
Germany	INSTAND, Institute for Standardization and Documentation in the Medical Laboratory	instad@uni-duesseldorf.de	INSTAND 4. V., Ubierrstr.2D, D-40223, Dusseldorf Phone - 49(0)211 1592130 Fax - 49(0)211 159213-32	www.instand-ev.de		Chemistry - General, Tox, blood gases, tumor markers, hormones Hematology - General Coag. Immunology- Immunohematology Microbiology - Bacteriology, Mycology, Mycobacteriology, Parasitology, Virology, Genetics, POCT	6 times per year		Yes	Reference Method Values
Hungary	QualiCont		University of Szeged, Biochemistry Dept., Szeged, Hungary		Academic	Chemistry, Microbiology			Yes	

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
India	Eqas AHMS India		Pathology Department, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, India			Bacteriology, Hematology				
India	Eqas Clin Chem India		Department of Biochemistry, Postgraduate Institute of Medical Education and Research, Chandigarh - 160012, India FAX 0091 416 32103			Chemistry				
India	Eqas Microbiology India	abraham@cmc.ernet.in	Christian Medical College Hospital, Departement of Clinical Microbiology, Ida Scudder Road, P.O.B. 3, Vellore, Tamil Nadu 632004, India Phone 91 416 22101 FAX 91 416 32103			Microbiology				
India	Eqas Varansi India		Pathology Department, IMS, BHU, Varanasi 221 005, India			Chemistry				
Indonesia	Eqas Bacteriology Indonesia		Persahabatan General Hospital, Jl. Persahabatan No. 1, Rawamangun, Indonesia			Bacteriology				
Indonesia	Eqas Indonesia		Ministry of Public Health, Provincial Health Laboratory, Jl. Sederhana No. 5, Bandung - 40161, Jawa Barat, Indonesia			Bacteriology, Chemistry, Coagulation, Hematology, Immunology, Parasitology				Other Provincial Laboratory locations include: Ngadinggann, Palembang, Semarang, Surabaya, and Yogyakarta
Indonesia	Eqas Jakarta Indonesia		Center for Health Laboratory, MOH, Jalan Hr. Rasuna, Said Block X5, Kav. No. 9, Jakarta 12950, Indonesia Phone 62 21 5201 590 FAX 62 21 5225 589			Bacteriology, Chemistry, Hematology, Immunology, Parasitology				

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Iran	Eqas Clin Chem Iran		Central Laboratory for Quality Control, Clinical Laboratories Specialists Association, P.O.B. 14155-1746, Tehran, Iran FAX 98 21 931568			Chemistry				
Iran	Eqas RLI Iran		Reference Laboratory of Iran, Bo-Ali Hospital, Tehran, Iran FAX 98 21 3796373			Bacteriology, Chemistry, Hematology				
Ireland	IEQAS, Irish External Quality Assessment Schemes	ieqas@eircom.net	IEQAS, P.O. BOX 4157, Dublin 14, Ireland	www.ieqas.ie/		Chemistry - General, myocardial markers, blood gases, HbA1C Hematology		49 - Ireland (over 80% of all Irish hospital labs)	Yes	
Ireland, UK	HTEQA - Histopathology Technology External Quality Assessment		7 The Elms, Ringmer, east Sussex, UK, BN8 5EZ	www.hteqa.demon. co.uk		Histopathology				
Italy	Bio-Dev, VEQ Europa	info@biodev.com	S.S. Sempione, 32 20015 S. Lorenzo di Parabiago, Milan, Italy Phone: +39 0331 555989 a.r. FAX: +39 0331 552418 a.r.	www.biodev.com	Commercial	Chemistry, Hematology, Coagulation, Microbiology				
Italy	Glycated Hemoglobin External Quality Assessment Scheme	diaglabspec@menarini .it	Menarini Diagnostici, Marketing Lines Diabete, A. Menarini Diagnostici, Via lungo l'Elma 7, 50015 Grassano, Firenze, Italy Phone - 055 56 80 394 Fax 055 56 80 905	www.glicata.org		Chemistry - Hemoglobin A1c only	2 times per year		Yes	Cycles noted for 1999 and 2000, unclear if this is a continuing program

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Italy	IMMUNOSURVEY EQA-IS (External Quality Assessment Immunoassay Schemes) Italian name - Programma di Validazione Esterna di Qualità (VEQ) in Immunometria	angelo.maggi@eqa- is.org.it	Medical Systems S.p.A., Via Rio Torbido, 40, I- 16165, Genova, Italy Phone - program office: 39 010 83401 Dr. Maggi: 39 010 8340 277 Fax -39 010 8340311 Office email: veq@medicalsystems.it	www.eqa-is.org	Commercial: Medical Systems S.p.A. (Medical Systems S.p.A. is a member of EQALM, European Committee for External Quality Assurance programmes in Laboratory Medicine and ECLM, European Confederation of Laboratory medicine)	Chemistry - Immunoassays, TORCH, allergen specific and total IgE, prenatal markers Immunology, Immunohematology	4 times per year since 1998 (10 schemes in 2001)	540- Open & Voluntary- Italy plus San Marino and Vatican City	No, Primarily established in 1977, is ISO 9002 certificate since 1998 for " " " education Commercialisation of in vitro diagnostic reagents and systems, non- profit PT service	Medical Systems S.p.A. Commercially established in 1977, is ISO 9002 certificate since 1998 for " " " education Commercialisation of in vitro diagnostic reagents and systems, non- profit PT service
Japan	JAMT - Japanese Association of Medical Technologists External Quality Survey Program		Japanese Association of Medical Technologists; Omori-kita 4-10-7, Ota- ku, Tokyo #143-0016, Japan Phone - +81-3- 3768-4722 Fax - +81-3- 3768-6722	www.jamt.or.jp	Organization: Japanese Association of Medical Technologists	Chemistry, Hematology, Immunology, Microbiology, Cytology, Blood banking, Anatomic Pathology, Microscopy, Clinical Physiology	Chemistry: 1900; Hematology: 1900; Immunology: 1800; Microbiology: 1200, Cytology: 1200, Blood Bank: 1200, Anatomic Pathology: 800, Microscopy: 1900, Clinical Physiology: 1400 - Japan	Yes		
Japan	JARCL - Japanese Association of Registered Clinical Laboratories External Quality Survey Program		JARCL; Nibancho 5, Chiyoda-ku, Tokyo #102- 0084, Japan Phone - +81- 3-3262-2326 Fax - +81-3- 3234-9669		Organization: Japanese Association of Registered Clinical Laboratories	Chemistry, Hematology, Immunology, Microbiology	Chemistry: 310; Hematology: 310; Immunology: 270; Microbiology: 130 Japan - restricted to Registered Clinical Labs	Yes		

Country/ Region	Program Name	Contact / E-mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Japan	JMA - Japan Medical Association External Quality Survey Program	Higarasi@po.med.or.jp P	EQSP Committee Motokomagome 2-28-16, Bunkyo-ku, Tokyo #113- 8621, Japan Phone - +81- 3-3946-2121 Fax - +81- 3-3946-6295	www.med.or.jp	Chemistry, Hematology, Immunology, Immunohematology, Microbiology			2600 - Japan	Yes	
Jordan	Eqas Bacteriology Jordan		Director, Central Laboratory, MOH, P.O.B. 910382, Amman 11191, Jordan		Bacteriology					
Jordan	Eqas Clin Chem Jordan		Dept. of Biological Sciences, Faculty of Sciences, University of Jordan, Amman, Jordan		Clinical Chemistry					
Jordan	Eqas Immun Jordan		Laboratory Directorate, MOH, P.O.B. 511, Amman 11118, Jordan		Immunology					
Kenya	Eqas Clin Chem Kenya		College of Health Sciences, P.O.B. 19676, Nairobi, Kenya		Chemistry					
Kenya	Eqas Microbiology Kenya		AMREF, P.O.B. 30125, Wilson Airport, Nairobi, Kenya Phone 2542 506112		Bacteriology, Hematology, Parasitology					
Korea, North (DPR)	Eqas DPR Korea		Department of Treatment and Prevention, Ministry of Public Health, Pyongyang, North Korea		Chemistry					

Country/ Region	Program Name	Contact / I mail	Address	Web Site	Affiliation	Specialties	Challenge Frequency	Participant Type/Numbers	Fee	Notes
Korea, Republic of	Korean External Quality Assurance Scheme (KEQAS)	jqkim@plaza.snu.ac.kr	Department of Clinical Pathology, Seoul National University Hospital, 28 Yongon-dong, Chongno-gu, Seoul 110-744, Korea Phone - 82-2-760-3326 Fax - 82-2-764-6542, 745-6653			Chemistry - General, TDM, urine, inborn errors of metabolism Hematology, Immunology, Immunohematology, Microbiology/Molecular biology, Inborn errors of metabolism	Range 10-2, Clinical Chemistry(10 trials), Diagnostic hematology(3), Microbiology(3), Diagnostic Immunology(3), Blood Bank(3), Urinalysis and Routine Microscopy(2), TDM(2), Immunoassay(2), Molecular Biology(2), Inborn Error of Metabolism(2)	500 - National Voluntary but recommended by the Government	Yes	
Lithuania	EQA-PKU - External Quality Assurance for molecular genetic testing for Phenylketonuria	vaivutis.kucinskas@m f.vu.lt	Phone - 320-2-365195 Fax - 320-2-365199	www.geneticahumanal.lt/MOLGENT_pages/eqa-pku.htm		Chemistry - PKU only	New program to begin pilot testing in second half of 2001	Pilot test with 10-15 European laboratories		
Malawi	HIV Reference Laboratory (HIV EQAP)	abamaba@sulp.org.m	HIV Reference Laboratory, Queen Elizabeth Central Hospital, P.O. Box 30142, Chichiri, Blantyre 3, Malawi			Immunology - HIV, HBSAg and (VDRU/RPR/TPHA) Serology	Twice yearly	62 Laboratories - (29 Government laboratories, 28 Private laboratories 2 Police and Military, 2 Estate clinics, and 1 Project laboratory) National		
Malaysia	Eqas Clin Chem Malaysia		Division of Biochemistry, Institute for Medical Research, Kuala Lumpur 50588, Malaysia			Chemistry				
Mauritius	Eqas Clin Chem Mauritius		Central Health Laboratory, Candos, Mauritius Phone 00230 4257118 FAX 00230 4245848			Chemistry				

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Mexico	Eqas Mexico		Asociacion Mexicana de Bioquimica Clinica (AMBC), Torres Adalid 508, Colonia del Valle, 03100 Mexico, D.F. Phone 52 687 8405/8529		Bacteriology, Chemistry, Hematology, Parasitology					
Mozambique	Programa Nacional de Garantia de Qualidade de Diagnostico de HIV (PNPQ-HIV)	stakserg@yahoo.com	Department of Immunology-Instituto Nacional de Saude (NIH) - Ministry of Health - Maputo, P.O. Box 264 Mozambique Phone - 258- 1-431103 Fax -258-1- 431103		Immunology, Medical Virology, Molecular Infectious Disease					Testing primarily HIV, but includes other retroviruses and vaccine preventable diseases
Myanmar	Eqas Myanmar		National Health Laboratory, 35 Hmaaw Kun Teik Street, Yangon, Myanmar		Chemistry, Hematology, Immunology, Microbiology					
Namibia	Eqas Namibia	Isdodos@iwn.com.na	Deputy Director of Laboratory, P.O.B. 277, Windhoek, Namibia		Hematology, Parasitology					
Nepal	Eqas Nepal		National Public Health Laboratory, Teku, Kathmandu, Nepal		Chemistry, Hematology, Microbiology					
Netherlands	CLB Viral Diagnostic Laboratory Viral Quality Control (VQC)		Plesmanaan 125 1066 CX Amsterdam The Netherlands Phone --+31 20 512432 Fax - +31 20 512528		HIV-1 RNA (quant); HCV (quant); CMV (quant); Parvovirus B19 (quant); HAV (quant); HSV (quant); Chlamydia trachomatis (quant)		1X per year			
Netherlands	ECAT EQAP - European Concerted Action on Thrombosis External Quality Assessment Program	P.Meijer@ecat.nl	ECAT Foundation, PO Box 2215, 2301 CE LEIDEN, the NetherlandsPhone - 31.71.5181496 Fax - 31.71.5181330	www.ecat.nl	Hematology -Coagulation Genetics - Molecular tests for Thrombosis Molecular biology		Coag is 4 times per year and molecular biology 2 times per year	325 - (July 2001) Worldwide	Yes	This programme started in 1993 as an European EQAS but now operates worldwide. The programme is mainly focused on laboratory tests involved in the screening for thrombophilia.

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Netherlands	International Molecular Services BV	ims@imolex.com	Maliebaan 24-26 3581 CP Utrecht The Netherlands Phone - +31(0)30 232 63 50 Fax - +31(0)30 232 63 58		HIV Genotyping (resistance)					
Netherlands	SKZL, Stichting Swaliteitbewaking Ziekenhuis Laboratoria (Dutch Foundation for Quality Assessment in Clinical Laboratories)	office@skzl.nl	116 SKZL, P.O. Box 9100, NL-6500 HB, Nimegeue Phone - 31 24 361 66 37 Fax -31 24 356 06 86	www.skzl.nl	Andrology Chemistry - General, blood gases, urine, immunochemistry Hematology - Coagulation Microbiology - Virology	6 times per year	National Voluntary, some international	Yes		
New Zealand	Human Genetics Society of Australia Newborn Screening Quality Assurance program (HGSA Newborn Screening QAP)	dianne@adhb.govt.nz	P.O. Box 872, Auckland, New Zealand Phone - 64 9 307 4949 x6570 Fax -64 9 307 4936		Organization: Human Genetics Society of Australasia	Newborn Screening	35 - Primarily Australasia, but open to international participants	Not at present time		Program offers a variety of analytes on participant collection cards, thus minimizing analytical variations due to paper and spot size and allowing blind testing of entire laboratory process.
Nigeria	Ejasa Nigeria		Clinical Biochemistry Dept., NA Base Hospital, PMB 2004, Yaba, Lagos, Nigeria		Chemistry, Hematology					
Norway	National Programme for EQA for Bacteriology, Mycology and Parasitology, Programme for Serology	per.kristian.svensden@fhi.no	Nasjanalt Folkehelseinstitutt, Postboks 4404, Nydalen 0403, Oslo, Norway	www.folkehelse.no/english/niph.html	Microbiology - Bacteriology, Mycology, Parasitology		1700 - (1996 data) National & Voluntary for POLs	No (financed by Norwegian Medical Assoc. & Norwegian authorities)		website provides an English overview page - the rest is in Norwegian - needs translation
Norway	NOKLUS - Norwegian Center for External Quality Assurance	Sverre.Sandberg@isf.uib.no	Institutt for samfunnsmedisinske fag, Universitetet i Bergen, Ulriksdal 8c, N-5009, Bergen, Norway Phone - 47 5558 6100 (program office) 5597.3111 (Prof. Sandberg) Fax -47 5558.6130 e-mail: Nokus@uib.no	www.uib.no/isf/inform/nokleng.htm	Chemistry Hematology- Coagulation Immunology	four times per year				

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Oman	Eqas Oman		Oman QAP Organizer, Royal Hospital, Pathology Department, P.O.B. 1331, Code 111, Seeb, Muscat Oman			Chemistry, Hematology, Immunology, Parasitology				
Paraguay	Programa de Control de Calidad en Química	grace@ics.una.py	Clinica, Asociacion de Bioquimicos del Paraguay, Azara 1175, c/Constitucion, Asuncion, Paraguay			Chemistry, Immunology				
Peru	Eqas Peru		Av. Los Alacisos No. 730, Los Olivos, Lima, Peru Phone 42 74189 FAX 43 27748							
Philippines	Eqas Philippines		Director, Bureau of Research and Laboratories, Department of Health, San Lazaro Compound, Rizal Avenue, Sta. Cruz, Metor Manila, Philippines			Bacteriology, Chemistry, Hematology, Immunology, Parasitology				
Poland	CEQAS:Common External Quality Assessment System in Laboratory Medicine		Polish College of Laboratory Medicine, Department of Clinical Biochemistry, Debinki 7, 80 211 Gdansk, Poland Phone +4858 349 27 77 Fax +4858 346 15 38			Clinical chemistry, Hematology, Immunology, coagulation, Microbiology - bacteriology, virology (Labquality menu)		200 - Medical laboratories	Yes	
Poland	External Quality Assessment Schemes	osrodek@cojwd.lodz .pl	Center for Quality Assessment in Laboratory Medicine, ul. Kopcińskiego 22, 90 153 Lodz, Poland Phone - +4842 678 60 99 Fax - +4842 678 60 99		Government	Dry chemistry, Hematology, coagulation, tumor markers Interlaboratory program of internal control: 50 analytes.	Chem: 2 per year; Hematology: 1-2 per year; Coagulation: 2 per year; tumor markers: 1-2 per year	Dry Chem: 40; Hematology: 1350; Coagulation: 1250; Tumor markers: 100; QC material: 80	No	

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Poland	POLMICRO: Polish National Quality Assurance Scheme	walercia@urania.il.waw.pl	ul. Chelmska 30/34 00 725 Warsaw, Poland Phone - +4822 841 33 67 Fax - +4822 841 29 49		Government: Coordinated by Center of Quality Control in Microbiology	Microbiology		315 - Clinical microbiological laboratories	No	
Poland	RIQAS - Randox International Quality Assessment Scheme	randox@optimus.waw.pl	Randox Laboratories ul Zymia 15C lok 30, 01014 Warsaw, Poland Phone - 4822 862 1080 Fax -4822 862 1081		Commercial			200	Yes	
Portugal	Eqas Portugal	pnaeq@insari.pt	Portuguese National Health Institute, Dr. Ricardo Jorege (INSRJ), Sector de Control de Qualidade, Av. Padre Cruz, P-1649-016, Lisboa Phone - 351 2175-1361, 351 2175-19349(Dr. Gomes Fax -351 2175-78440)				annually	260 - National, open voluntary	Yes	
Russia	Federal System for External Quality Assessment	fsvok@fsvok.rvnm @cyberax.ru	National Center for External Quality Assessment in Laboratory Medicine, 10 Petroverigsky Lane, Moscow, 101990, Russia Phone - 7 095 928 18 63 Fax- 7 095 928 18 63	www.fsvok.ru	Government, Ministry of Public Health, National Research Center for Preventive Medicine	Chemistry- Urine, Hormones, Hematology- General, Coagulation, Immunology- , Microbiology - Bacteriology, - Mycobacteriology, Virology, Cytology	1 to 6 times per year	5083 (in 2001) - Russian Federation, Mandated	Yes	Website is in Russian
Senegal	Eqas Clin Chem Senegal		University Hospital Center of Dakar, B.P. 5116, Dakar, Senegal			Chemistry				
Singapore	Eqas Singapore		Division Head, Clinical Laboratories, Department of Pathology, Singapore General Hospital, Outram Road, Singapore 169608			Chemistry, Hematology				

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South Africa	Eqas Thisite		Thisite QA, P.O.B. 1090, Cresta 2118, Johannesburg, South Africa Phone 27 11 878- 0968 FAX 27 11 678- 8233			Bacteriology, Chemistry, Coagulation, Hematology, Immunology				
South Africa	National Health Laboratory Service EQA Program	qc@mail.saimr.wits.ac .za	QA Division NHLS, BOX 1038, Johannesburg 2000, South Africa	www.niv.ac.za	Government	Chemistry, Hematology, Coagulation, Immunology, Microbiology (Bacteriology, Mycobacteriology, Mycology, Parasitology) Specialty	Monthly to Biannually depending on Specialty	115 - Government Private labs also other African countries (open and voluntary	Yes	
Spain	Spanish Society of Clinical Biochemistry and Molecular Biology - SEQC - programs to guarantee quality for clinical laboratories	framon@hsjdben.org	Spanish Society of Clinical Biochemistry and Molecular Biology, Padilla, 323, office 68, 08025 Barcelona Phone - 93 446 26 70 Fax - 93 446 26 72	www.seqc.es	Organization	Chemistry -General, endocrine, proteins, gases, cardiac markers, tumor markers Hematology -General Coagulation Immunology - Infectious disease serology Microbiology - Bacteriology, serology Prenatalyical.	Monthly and quarterly, depending on survey			
Sri Lanka	Eqas MRI Sri Lanka		Department of Biochemistry, Medical Research Center, P.O.B. 527, Colombo 525, Sri Lanka			Chemistry, Hematology				
Sweden	EQUALIS: External Quality Assurance in Laboratory Medicine in Sweden	webmaster@equalis.se	Box 977, 75109 UPPSALA Phone - 018 - 69 31 45 Fax -018 - 69 31 46	www.equalis.se/						Website in Swedish - needs translation
Sweden	Quality Club	birgitta.ryden@pharm acia.com	Pharmacia Diagnostics AB, SE-75182 Uppsala, Sweden	quality- club.diagnosticsph armacia.com	Commercial	Specific IgE, Total IgE, Eosinophil Cationic Protein (ECP)	Once a month	Over 900 hospital, commercial laboratories from more than 30 countries.		Reporting frequency once a month and a summary report, containing 12 month results, every fourth month.
Switzerland	MQ - Verrio für medizinische Qualitätskontrolle (Association for Medical Quality Control	mq@ike.unizh.ch	c/o Institute for Clinical Chemistry, University Hospital of Zurich, 8091 Zurich, Switzerland Phone - 01 255 34 11 FAX - 01 261 12 83	www.mqzh.ch	Professional	Chemistry, Coagulation, Hematology, Immunology	4 times per year		Yes	

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Switzerland	Quality Control Center Switzerland (CSCQ)	Andre.Deom@hcuge.ch	CSCQ c/o Hopitaux Universitaires de Geneve, 2, chemin du Petit-Bel- Air, CH-1225 Chene- Bourg, Switzerland Phone- 41 (0) 22 / 305 52 30, FAX- 41 (0) 22 / 305 52 38	http://www.esqc.ch		Chemistry, Hematology, Immunology, Microbiology	4 to 12 times per year depending on specialty	up to 4500 depending on specialty program	Yes	Established in 1972, ISO certified and accredited, French/German/Italian speaking, WHO collaborating center.
Switzerland	Swiss Quality Control for Bacteriology and Mycology	AVG@immv.unizh.ch	Swiss Quality Control for Bacteriology and Mycology, Department of Medical Microbiology, University of Zurich, Gloriastrasse 32, CH- 8028, Zurich, Switzerland Phone - 41 (0) 1 634.26.22 Fax -41 (0) 1 634.49.06	www.unizh.ch/imm /	University of Zurich	Microbiology - Bacteriology, Mycology	4 times per year	108 - International - open to any laboratory, voluntary; participants primarily Swiss labs with a few in Germany and Austria	Yes	
Switzerland	Swiss Quality Control for Mycobacteriology	pfyffer@immv.unizh.ch	The Swiss National Center for Mycobacteria, Department of Microbiology, University of Zurich, Gloriastrasse 30, CH-8028, Zurich, Switzerland Phone - 41 (0) 1 634.27.86 Fax -41 (0) 1 634.49.18	www.unizh.ch/imm /	University of Zurich	Microbiology - Mycobacteriology	2 times per year	47 - National, some international, voluntary	Yes	
Syria	Eqas Clin Chem Syria		Syrian Clinical Laboratory Association, General Secretary, P.O.B. 7582, Damascus, Syria			Chemistry				
Tanzania	Eqas Dar es Salaam Tanzania		Dept. of Clinical Chemistry, P.O.B. 65189, Dar es Salaam, Tanzania			Bacteriology, Chemistry, Hematology, Immunology, Parasitology				
Tanzania	Eqas Mwanza Tanzania		Pathology Dept., Bugando Medical Center, P.O.B. 1370, Mwanza, Tanzania			Chemistry, Hematology, Parasitology				

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Thailand	Aflatoxin analysis performance scheme	kanol.porn@dmasc.mo ph.go.th	Division of Food, Department of Medical Sciences 88/7 Tiwanond road, Soi Bamranaradura Hospital, Muang Nonthaburi 11000 Phone - 662 F6951 1022 ext 9602 Fax -662 9511023	www.dmasc.moph.go.th	Government	Aflatoxin analysis in grain (corn and groundnut)	2 cycles/year	25 - Government and non-government labs in Thailand	No	
Thailand	Blood Alcohol Proficiency Test	jaruwan@dmasc.moph. go.th	Regional Medical Sciences Center, Chiang-Mai Province Phone - 66 53 224770-3 external 153 Fax -66 53 219223	www.dmasc.moph.go.th	Government	Blood alcohol analysis	2 cycles/year (4 PT samples)	30 - Government and non-government labs in Thailand	No	
Thailand	Blood Lead Proficiency Test		National Institute of Health, Department of Medical Sciences, 88/7 Tiwanond road, Soi Bamranaradura Hospital, Muang Nonthaburi 11000 Phone - 66 2 591 5449 extension 9063 Fax -66 2 5915436	www.dmasc.moph.go.th	Government	Blood lead analysis	4 cycles/year	70 - Government and non-government labs in Thailand	No	
Thailand	Eqas Clin Chem Thailand		Faculty of Medical Technology, Mahidol University, Siriraj Hospital, Phran Nok Road, Siriraj, Bangkok Noi, Bangkok 10700 Thailand			Chemistry				
Thailand	Eqas Parasitology Thailand		Medical Scientist, Bureau of Laboratory Quality Standards, Department of Medical Sciences, Ministry of Public Health, 693 Bumrungruang Rd., Yod- se, Bangkok 10100 Thailand			Parasitology				

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Thailand	External Quality Assessment Program for anti HIV Testing	wilaj@dmisc.moph.go.th	National Institute of Health, Department of Medical Sciences, Tiwanond Road, Muang, Nonthaburi, Thailand 11000 Phone - +66(0)2 951 1428 Fax - +66(0)2 9511428		Government: Funded by the National Institute of Health, Department of Medical Sciences, Ministry of Public Health, Thailand	HIV Serology Quality Assurance and Quality Control Program		850 - National, some international, voluntary	No	
Thailand	External Quality Assurance Program for Thyroid Hormone Function	nopparan@dmisc.moph.go.th	National Institute of Health, Department of Medical Sciences, 88/7 Tiwanond road, Soi Bamranardura Hospital, Muang Nonthaburi 11000 Phone - 662 9510000 ext 9227,9228 Fax -662 5915449	www.dmisc.moph.go.th	Government	Human serum T3, T4 and TSH analysis	4 cycles/year (four PT samples)	30 - Government and non-government labs in Thailand	No	
Thailand	National Proficiency Testing Schemes	roongtasamee@dmisc.moph.go.th	Proficiency Testing Section, Bureau of Laboratory Quality Standards, Department of Medical Sciences 88/7 Tiwanond road, Soi Bamranardura Hospital, Muang Nonthaburi 11000 Phone - 66 2 9510000 ext 9263 Fax -662 9510669	www.dmisc.moph.go.th	Government	Blood Banking, Chemistry, Clinical Microscopy, Hematology, Immunology, Microbiology	2-3 cycles/year (usually two PT samples)	600-800 participants in Thailand and 16 laboratories in 10 South East Asia Region countries - Government and non-Government laboratories.	No	Apply for NATA Approval of Provider of Proficiency Testing Schemes
Thailand	Protocol for Proficiency Testing Scheme of Water Microbiology Analytical Laboratory	churairat@dmisc.moph.go.th	Division of Food, Department of Medical Sciences 88/7 Tiwanond road, Soi Bamranardura Hospital, Muang Nonthaburi 11000 Phone - 662 951 1022ext 9602 Fax -662 9511023	www.dmisc.moph.go.th	Government	Coliform detection in Water	1 cycle/year (6 PT samples)	28 - Government and non-government labs in Thailand	1200 Baht/year	