



## LABORATORY COMPONENT MATRIX OF THE NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES) 1999-2004

Lab Test	Age Range	1999	2000	2001	2002	2003	2004
Complete Blood Count	1 year and older						
Lead	1 year and older						
Cadmium	1 year and older						
Erythrocyte Protoporphyrin	1 year and older					Note B	
RBC Folate	3 years and older					Note C	
Serum Folate	3 years and older					Note C	
Glycohemoglobin	12 years and older						
Mercury (hair)	1-5 years, females 16-49 years						
Mercury (blood)	1-5 years, females 16-49 years						
Mercury (urine)	1-5 years, females 16-49 years						
CD4	18-49 years						
WBC/DNA	20 years and older						
VOC (blood)	Subsample 20-59 years						
Iron	1 year and older					Note B	
TIBC	1 year and older					Note B	
Ferritin	1 year and older					Note D	
Vitamin B12	3 years and older					Note C	
C-reactive protein	3 years and older					Note C	
Helicobacter pylori	3 years and older						
Cryptosporidium	6-49 years						
Vitamin A/E/Carotenoids	3 years and older					Note E	
Vitamin C	6 years and older						
Measles/Varicella/Rubella	6-49 years						
Cotinine	3 years and older						
Chemistry panel	12 years and older						
Bone alkaline phosphatase	8 years and older					Note F	
Toxoplasma	6-49 years	Note A					
Total Cholesterol	3 years and older						
HDL	3 years and older						
LDL	Subsample 3 years and older						

■ : Analytes of nutritional interest

Note A: Surplus Sera 1999-2000

Note B: Age range changed to 3-5 years and females 12-49 years

Note C: Age range changed to 1 year and older

Note D: Age range changed to 1-5 years and females 12-49 years

Note E: Age range changed to 6 years and older

Note F: Age range changed to 8-49 years

Note G: Age range changed to 1/2 sample 6-11 years and 1/3 sample 12 years and older



Lab Test	Age range	1999	2000	2001	2002	2003	2004
Triglycerides	Subsample 3 years and older						
HIV antibody	18-49 years						
Insulin/c-peptide	Subsample 12 years and older						
Herpes 1 and 2 antibody	14-49 years						
Syphilis	18-49 years						
HPV	14-59 years						
PSA	Males 40 years and older						
FSH/LH	Females 35-60 years						
Latex	12-59 years						
Vitamin D	6 years and older					Note C	
TSH/TH	1/3 sample 12 years and older						
Parathyroid Hormone	6 years and older						
Transferrin Receptor	1-5 years, females 12-49 years						
Surplus Sera	6 years and older					Reduced # of vials	
Vitamin B6	1 year and older						
Homocysteine	3 years and older						
Methyl malonic acid	3 years and older						
Glucose plasma	Subsample 12 years and older						
Fibrinogen	40 years and older						
Hepatitis AntiHBs	2-5 years						
Hepatitis A, B, C, D HbSAg	6 years and older						
Selenium	3-11 years						
Chlamydia (urine)	14-39 years						
Gonorrhea (urine)	14-39 years						
Albumin (urine)	6 years and older						
Arsenic (urine)	1/3 sample 6 years and older						
Creatinine (urine)	6 years and older						
NTX	8 years and older						
Iodine (urine)	1/3 sample 6 years and older						
BV/Trich	Females 14-49 years						
MRSA	1 year and older						
VOC exposure monitor	Subsample 20-59 years						
Pthalates (7)	1/3 sample 6 years and older					Additional 3 Pthalates	
Organophosphates metabolites	1/3 sample 6 years and older						
Metals (13)	1/3 sample 6 years and older						
Nonpersistent pesticides	½ of 6-11 yrs, ¼ of 12-59 yrs					Note G	
Persistent Pesticides	1/3 sample 6 years and older						
Phytoestrogens (8)	1/3 sample 6 years and older						
PAHs (16)	1/3 sample 6 years and older						
Dioxins	1/3 sample 12 years and older						
Lead dust	Households with 1-5 year olds						