

**Table II. Pristine biospecimens available, NHANES 1999 – 2020**

Survey cycle, age group, and specimen source <sup>1</sup>	Exam Sample <sup>2</sup>	Pristine Serum	Pristine Urine	Pristine Plasma
1999-2000				
3-5				
Participants.....	525	0	0	0
Vials.....		0	0	0
6-11				
Participants.....	1,061	593	612	290
Vials.....		594	612	290
12-19				
Participants.....	2,314	1,841	1,558	1,310
Vials.....		13,699	1,558	1,310
20-39				
Participants.....	1,569	1,298	1,084	387
Vials.....		9,229	1,084	387
40-59				
Participants.....	1,269	1,045	928	330
Vials.....		6,997	928	330
60+				
Participants.....	1,606	1,353	1,306	485
Vials.....		9,164	1,306	485
2001-2002				
3-5				
Participants.....	615	0	0	0
Vials.....		0	0	0
6-11				
Participants.....	1,202	0	548	968
Vials.....		0	548	968
12-19				
Participants.....	2,418	1,998	1,131	2,081
Vials.....		12,960	1,131	2,081
20-39				
Participants.....	1,843	1,551	790	1,622
Vials.....		9,547	790	1,622
40-59				
Participants.....	1,556	1,329	861	1,413
Vials.....		7,680	861	1,413
60+				
Participants.....	1,628	1,418	1,125	1,486
Vials.....		8,402	1,125	1,486

Survey cycle, age group, and specimen source <sup>1</sup>	Exam Sample <sup>2</sup>	Pristine Serum	Pristine Urine	Pristine Plasma
---	--------------------------	----------------	----------------	-----------------

2003-2004

3-5				
Participants.....	574	0	0	0
Vials.....		0	0	0
6-11				
Participants.....	992	0	663	489
Vials.....		0	663	489
12-19				
Participants.....	2,248	1,891	1,397	1,199
Vials.....		10,359	1,397	1,199
20-39				
Participants.....	1,656	1,452	1,088	852
Vials.....		7,653	1,300	852
40-59				
Participants.....	1,336	1,192	1,032	726
Vials.....		5,678	1,277	726
60+				
Participants.....	1,750	1,569	1,544	966
Vials.....		7,518	1,544	966

2005-2006

3-5				
Participants.....	667	0	0	0
Vials.....		0	0	0
6-11				
Participants.....	1,106	747	0	845
Vials.....		1,953	0	845
12-19				
Participants.....	2,207	1,883	0	1,858
Vials.....		13,867	0	1,858
20-39				
Participants.....	1,839	1,605	320	1,571
Vials.....		11,431	320	1,571
40-59				
Participants.....	1,446	1,291	332	1,244
Vials.....		9,644	332	1,244
60+				
Participants.....	1,488	1,342	0	1,335
Vials.....		10,242	0	1,335

Survey cycle, age group, and specimen source <sup>1</sup>	Exam Sample <sup>2</sup>	Pristine Serum	Pristine Urine	Pristine Plasma
---	--------------------------	----------------	----------------	-----------------

2007-2008

3-5				
Participants.....	580	301	0	0
Vials.....		940	0	0
6-11				
Participants.....	1,215	861	0	864
Vials.....		4,324	0	864
12-19				
Participants.....	1,210	955	0	967
Vials.....		8,027	0	967
20-39				
Participants.....	1,844	1,496	0	1,497
Vials.....		12,325	0	1,497
40-59				
Participants.....	1,818	1,564	0	1,571
Vials.....		11,961	0	1,571
60+				
Participants.....	2,045	1,760	0	1,771
Vials.....		13,644	0	1,771

2009-2010

3-5				
Participants.....	620	328	0	0
Vials.....		425	0	0
6-11				
Participants.....	1,222	188	138	868
Vials.....		192	138	868
12-19				
Participants.....	1,310	891	184	1,020
Vials.....		3,292	184	1,020
20-39				
Participants.....	2,033	1,515	315	1,691
Vials.....		5,832	315	1,691
40-59				
Participants.....	2,021	1,458	318	1,717
Vials.....		4,871	318	1,717
60+				
Participants.....	2,005	1,521	323	1,719
Vials.....		5,508	323	1,719

Survey cycle, age group, and specimen source <sup>1</sup>	Exam Sample <sup>2</sup>	Pristine Serum	Pristine Urine	Pristine Plasma
---	--------------------------	----------------	----------------	-----------------

2011-2012

3-5				
Participants.....	614	202	0	0
Vials.....		202	0	0
6-11				
Participants.....	1,272	512	951	0
Vials.....		512	951	0
12-19				
Participants.....	1,230	855	986	0
Vials.....		1,755	986	0
20-39				
Participants.....	1,878	1,471	1,554	0
Vials.....		3,370	1,554	0
40-59				
Participants.....	1,754	1,069	0	0
Vials.....		1,070	0	0
60+				
Participants.....	1,687	768	0	0
Vials.....		873	0	0

2013-2014

3-5				
Participants.....	622	304	0	0
Vials.....		304	0	0
6-11				
Participants.....	1,312	27	785	0
Vials.....		27	785	0
12-19				
Participants.....	1,391	840	915	0
Vials.....		1,227	915	0
20-39				
Participants.....	1,880	817	969	0
Vials.....		1,026	969	0
40-59				
Participants.....	1,923	430	1,001	0
Vials.....		430	1,001	0
60+				
Participants.....	1,785	708	1,129	0
Vials.....		922	1,129	0

Survey cycle, age group, and specimen source <sup>1</sup>	Exam Sample <sup>2</sup>	Pristine Serum	Pristine Urine	Pristine Plasma
---	--------------------------	----------------	----------------	-----------------

2015-2016

3-5				
Participants.....	587	0	281	0
Vials.....		0	281	0
6-11				
Participants.....	1,277	0	886	0
Vials.....		0	886	0
12-19				
Participants.....	1,270	802	911	0
Vials.....		1,267	911	0
20-39				
Participants.....	1,864	445	1,445	0
Vials.....		446	1,445	0
40-59				
Participants.....	1,801	0	1,454	0
Vials.....		0	1,454	0
60+				
Participants.....	1,809	250	1,482	0
Vials.....		252	1,482	0

2017-2018

3-5				
Participants.....	501	0	241	0
Vials.....		0	241	0
6-11				
Participants.....	1,034	0	730	0
Vials.....		0	730	0
12-19				
Participants.....	1,136	194	894	0
Vials.....		194	894	0
20-39				
Participants.....	1,589	11	1,230	0
Vials.....		11	1,230	0
40-59				
Participants.....	1,658	0	1,366	0
Vials.....		0	1,366	0
60+				
Participants.....	2,018	1,566	1,686	0
Vials.....		1,566	1,686	0

Survey cycle, age group, and specimen source <sup>1</sup>	Exam Sample <sup>2</sup>	Pristine Serum	Pristine Urine	Pristine Plasma
2019-March 2020 <sup>3</sup>				
3-5				
Participants.....	328	0	173	0
Vials.....		0	173	0
6-11				
Participants.....	755	337	587	0
Vials.....		337	587	0
12-19				
Participants.....	729	462	565	0
Vials.....		2,220	565	0
20-39				
Participants.....	1,006	727	837	0
Vials.....		3,429	837	0
40-59				
Participants.....	1,150	869	986	0
Vials.....		4,030	986	0
60+				
Participants.....	1,123	845	972	0
Vials.....		3,977	972	0

<sup>1</sup> Not all survey cycles and age groups are able to form a nationally representative sample. Please contact the Project Officer at [serumplasmaurine@cdc.gov](mailto:serumplasmaurine@cdc.gov) for further information and guidance.

<sup>2</sup> Exam sample size reflects the number of participants who participated in an examination in the Mobile Examination Center (MEC) and received an examination weight.

<sup>3</sup> 2019-March 2020 specimens only form a nationally representative sample when combined with 2017-2018 specimens.

NOTES: Specimens accessible for testing under approved protocols. Numbers are subject to change. Pristine sera vials typically contain ≥0.5mL, pristine urine vials typically contain 5mL, and pristine plasma vials typically contain 0.5mL.

SOURCE: CDC/NCHS, National Health and Nutrition Examination Survey, 2022.