

CBER CENTENNIAL

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Science and Peace will triumph over ignorance and war, nations will unite, not to destroy, but to build, and the future will belong to those who have done the most for suffering humanity.

....Louis Pasteur

History of Biological Products Regulation



1798

1894

Marine Hospital
Service Original
Public Health
Agency

1850
Louis Pasteur
(Rabies
Vaccine)

Heat-Killed Vaccines

Roux/ Yersin (Diphtheria Toxin) PHS Lab Produces Diphtheria Antitoxin

1902 | Biolo

Biologics Control Act

Smallpox Vaccination Koch Isolated Anthrax Bacillus

1886

Public Service Lab of Hygiene 1887 J. Kinyoun

1888

Antitoxins

1901

13 Children
Died of
Tetanus from
Contaminated
Diphtheria
Antitoxin

1878



1890



History of Biological Products Regulation (continued)



1906

The Food and Drug Act

OK HEALTY

1930

National Institute of Health 1938

Food and
Drug Cosmetic
Act
Section 505

1941

Cohn Fractionation of Blood

1948

National Microbiological Institute

Public Health Service

1912



1937

Division of Biologics Control

ics 1940

Rh Blood Group System The Public Health
Service Act (Lab
of Biologics
Control)

1950

1st Live Polio Vaccine in Humans



1944

History of Biological Products Regulation (continued)

1980's

National

1962 1955

> Cutter Polio **Vaccine** Incident

Kefauver-Harris Drua **Amendment**

1973

New **Provisions** of PHS Act

Biotechnology Era

1988

CBER

1997

FDAMA

Division of Biologics Standards 1955 (DBS) (NIH)

1972

DBS To FDA. **Became Bureau of Biologics**

Blood **Policy** 1974

1982

National Center for Drugs and **Biologics** 1992

PDUFA

Future??

2002





