

Thimerosal is a compound made up of approximately 50% mercury.

Mercury is the second most poisonous element known to man (next to uranium and its derivatives.) When someone says, “MERCURY!” we immediately think of the news stories about the child at school who broke a thermometer in biology class and the HAZ-MAT team was called in and all the students were in peril. Did you know they make that big of a deal (meaning bringing in the HAZ-MAT crew) for less mercury than what is contained in 1 vaccine [<http://www.epa.gov/mercury/spills/index.htm>]?

Thimerosal is used as a preservative in vaccines to help prevent bacteria growth in multi-use vaccines. It is also used in the 'creation' process of a vaccine, and then through a purification process it is “removed” and only “trace” amounts are left

Next, let's discuss what “trace amounts” means. next to many of the “Thimerosal”s, there is an asterisk next to it. The asterisk notates that ” *Where “thimerosal” is marked with an asterisk (*) it indicates that the product should be considered equivalent to "thimerosal-free" products.

So how much does “trace” mean? According to the CDC, it says less than or equal to 0.3mcg per dose

<http://www.sailhome.org/Concerns/Vaccines/Thimerosal.html>

_ does a nice job of putting this into perspective:

<http://www.vaccinesafety.edu/thi-table.htm>

Here is a table

<http://www.fda.gov/BiologicsBloodVaccines/SafetyAvailability/VaccineSafety/ucm096228>

of thimerosal content in currently licensed vaccines according to the FDA.

The table lists 'trace amounts' of thimerosal ranging from

0.00012% to 0.0033%.

That's equivalent to 1,200 ppb to 33,000 ppb.

Research shows thimerosal is toxic to neurons at 1 ppb.

Those 'trace amounts' are still 4 to 5 orders of magnitude higher.

Other vaccines are listed as 'thimerosal-free' or 'mercury-free'.

But thimerosal is still used in the production process for many of those vaccines, after which an effort is made to filter it out.

Unfortunately the mercury has already bonded to proteins used in the vaccines and cannot be completely removed.

- **2 ppb mercury is the mandated limit in drinking water**
- **200 ppb mercury in liquid waste renders it a toxic hazard**
- **25,000 ppb is found in infant flu shots**
- **50,000 ppb is found in regular flu shots — recommended for children, pregnant women, the elderly...**

Also the math on how many ppb in a “thimerosal free” vaccine:

$$0.3 \text{ mcg} / 0.5\text{mL} =$$

$$0.3 \text{ mcg} / .0005\text{L} =$$

$$\dots 3,000 \text{ mcg} / 5\text{L} =$$

$$600 \text{ mcg} / \text{L}$$

$$1 \text{ mg/KG} = 1 \text{ PPM (formal definition of PPM)}$$

$$1 \text{ L} = 1 \text{ KG (density of water or saline solution)}$$

$$1 \text{ mcg/L} = 1 \text{ PPB (because 1 KG and 1 L of water are equivalent)}$$

THEREFORE:

$$600 \text{ mcg} / \text{L} =$$

600 ppb Thimerosal in the “thimerosal-free” vaccine

Flu vaccine has “only” 25 mcg Thimerosal. The shot is 0.5mL. Let’s do some math:

$$25 \text{ mcg} / 0.5\text{mL} =$$

$$25 \text{ mcg} / .0005\text{L} =$$

$$250,000 \text{ mcg} / 5\text{L} =$$

$$50,000 \text{ mcg} / \text{L}$$

$$1 \text{ mcg} / \text{L} = 1 \text{ ppb, therefore}$$

The shot has 50,000 ppb of Thimerosal

Remember that 2 ppb mercury is the mandated limit in drinking water and normally 200 ppb would label something a toxic hazard.

This vaccine calculator reveals how much ethylmercury, aluminum, formaldehyde, and other toxins are received by following the CDC’s recommended schedule.

<http://www.vaccine-tlc.org/vic>

After we find all of this information out, we have to ask ourselves: **Why is mercury dangerous??**

<http://www.youtube.com/watch?v=BtFsy0rQsak>

