

NANOPLASTICS POLICY BRIEF

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URGENT: Nanoplastics Amplify Deadly Bacteria

Peer-reviewed evidence shows nanoplastics triple Shiga-toxin output in *E. coli*

KEY FINDINGS:

- Nanoplastics detected in every newborn placenta tested
- New study: *E. coli* exposed to nanoplastics produces 3.4[×] more Shiga toxin
- England reports 26% spike in Shiga-toxin *E. coli* infections (2024 vs 2023)
- Industry aware of contamination since 1973, no action taken

CRITICAL DEADLINES:

- September 18, 2025: Congress must restore \$120M NIH research funding
- Immediate action required to prevent amplified bacterial outbreaks

POLICY RECOMMENDATIONS:

1. Restore \$120M NIH nanoplastics research line-item
2. Implement mandatory testing for nanoplastics in medical supplies
3. Establish FDA guidelines for nanoplastics in healthcare products
4. Fund research into bacterial amplification mechanisms
5. Create emergency response protocols for amplified infections

CONTACT YOUR REPRESENTATIVE:

Demand immediate restoration of NIH funding before September 18 markup.

Source: Journal of Nanobiotechnology, April 2025