



**ZYMO RESEARCH**

*The Beauty of Science is to Make Things Simple*

**Cambridge Bioscience Ltd**

Munro House  
Trafalgar Way  
Bar Hill  
Cambridge CB23 8SQ  
United Kingdom

Attn: Dr. Emma Greatorex  
Head of Reagents Business Unit  
Tel: +44 (0)1223 316855 ext 206  
Mob: +44 (0) 7500 836041

## Declaration

Re: **DNA/RNA Shield™ reagent for use in sample collection devices.**

(1) **Description:**

The DNA/RNA Shield™ reagent is a sample collection and transport media that preserves DNA and RNA in biological samples at ambient temperature and prevents freeze-thaw damage.

The DNA/RNA Shield™ reagent inactivates RNA viruses, including COVID-19. The virus particles are rapidly and efficiently denatured by the reagent. The reagent components are listed and approved by the USDA (Animal and Plant Health Inspection Service) and other agencies for the treatment and complete inactivation of DNA and RNA viruses.

(2) **Composition:**

SDS refers to guanidinium salt content in the reagent (attached).  
The guanidine salt (GuSCN) concentration is <6M.

(3) **Viral inactivation** – supplemental documents:

- (1) DNA/RNA Shield inactivation data report
- (2) Eurovir (MMV) full test report
- (3) Inactivation citations with contacts
- (4) Inactivation - full publications
- (5) Select examples of DNA/RNA Shield deployment and use

Stanislav Forman, PhD  
*Sample collection and RNA solutions*  
*Zymo Research Corporation*

April 16, 2020