Tristel Solutions Ltd Company No. 03518312 Tristel plc Company No. 04728199 Registered office As above

July 2024

RE: Efficacy of Tristel products against Monkeypox virus (MPXV)

Monkeypox virus (MPXV) is categorised as an enveloped virus. These viruses are regarded as the least resistant group of microorganisms for disinfectants to inactivate. Vegetative bacteria, fungi, non-enveloped viruses, mycobacteria, and bacterial spores are all deemed more resistant to disinfectants (see Figure 1).

Virucidal Efficacy

To claim that a disinfectant is virucidal, testing must be performed according to the EN 14476.

This test method utilises three highly resistant non-enveloped viruses: Poliovirus type 1, Adenovirus type 5 and Murine Norovirus. If efficacy is demonstrated against all three viruses, the disinfectant is deemed virucidal against all viral species (non-enveloped and enveloped), including MPXV.

Most Resistant to Disinfectants



Least Resistant to Disinfectants

Figure 1. Resistance of Microorganisms to Disinfectants. Adapted from Centers for Disease Control and Prevention (2008).

The following Tristel chlorine dioxide products in Table 1 & 2 have been tested in accordance with EN 14476 and meet the acceptance criteria for full virucidal activity.

Table 1 & 2. Virucidal Tristel chlorine dioxide products

Tristel Portfolio	Contact Time
Tristel Sporicidal Wipes	
(Tristel Trio Wipes	30 seconds
System)	
Tristel Duo range	30 seconds
Tristel Fuse for Stella	5 minutes
Tristel Fuse for Surfaces	5 minutes
Tristel Fuse for Medical	5 minutes
Surfaces	

Cache Collection	Contact Time
JET	1 minute
JET LUX	1 minute
JET PRO	1 minute
FUSE	5 minutes
TANK CIO2 Sporicidal Disinfectant	5 minutes

If you require any additional information, do not hesitate to contact your local Tristel representative.

Sincerely,

Michael Duncan

Study Manager

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Validation and Development

Tristel Solutions Ltd.