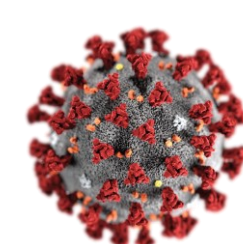


Goodbye synthetic biocides!

Nature-based large-spectrum anti-pathogenic compounds for a sustainable world



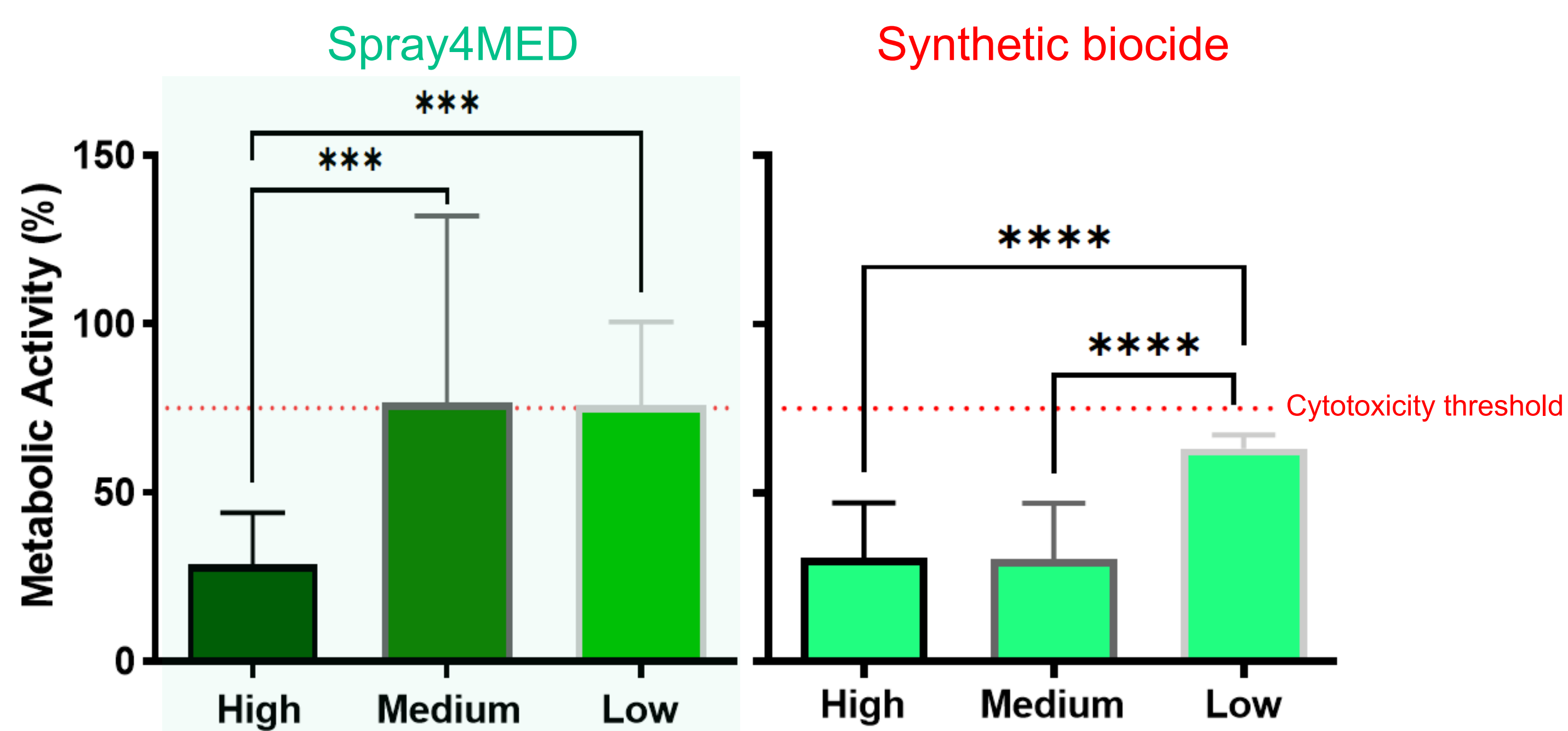
viability on surfaces:

- Air 3 hours
- Cardboard 1 day
- Cloth 2 days
- Stainless steel 2-3 days
- Glass 4 days
- Ceramic 5 days

SPRAY4MED

FOCUS AREA	OUTCOME
COVID-19	NATURAL BIOCIDES: <ul style="list-style-type: none"> Sustainable Ecofriendly
ANTI-OXIDANT + ANTI-MICROBIAL COSMETIC FROM FOREST	FOREST-DERIVED BIOCIDES: <ul style="list-style-type: none"> Green chemistry Forest added-value
BIODEFENCE	CONTROLLED RELEASE NANOTECH: <ul style="list-style-type: none"> Anti-pathogenic long-lasting action Dual-stimuli responsive technology

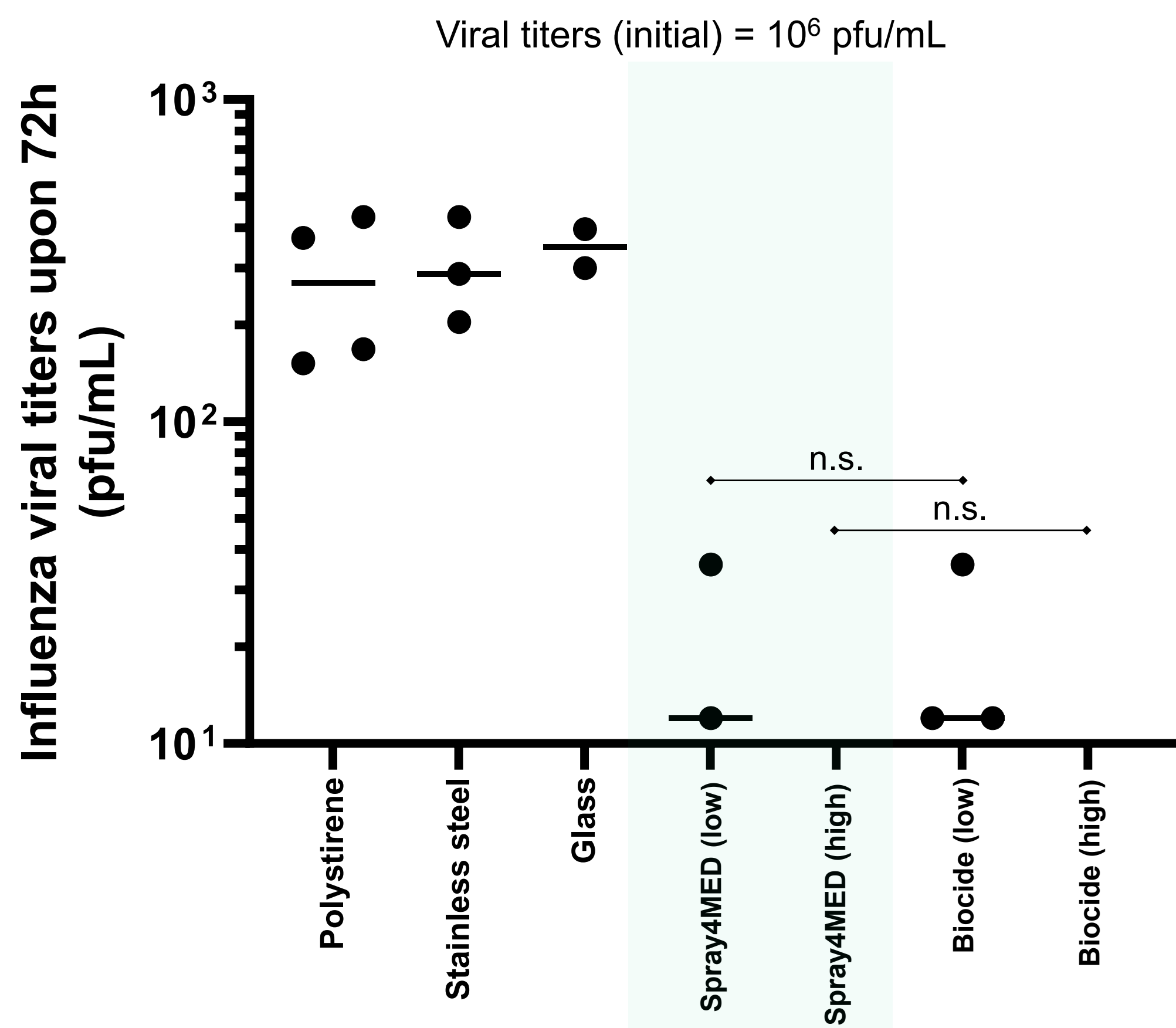
Cytotoxicity assay (MRC-5 human cell line)



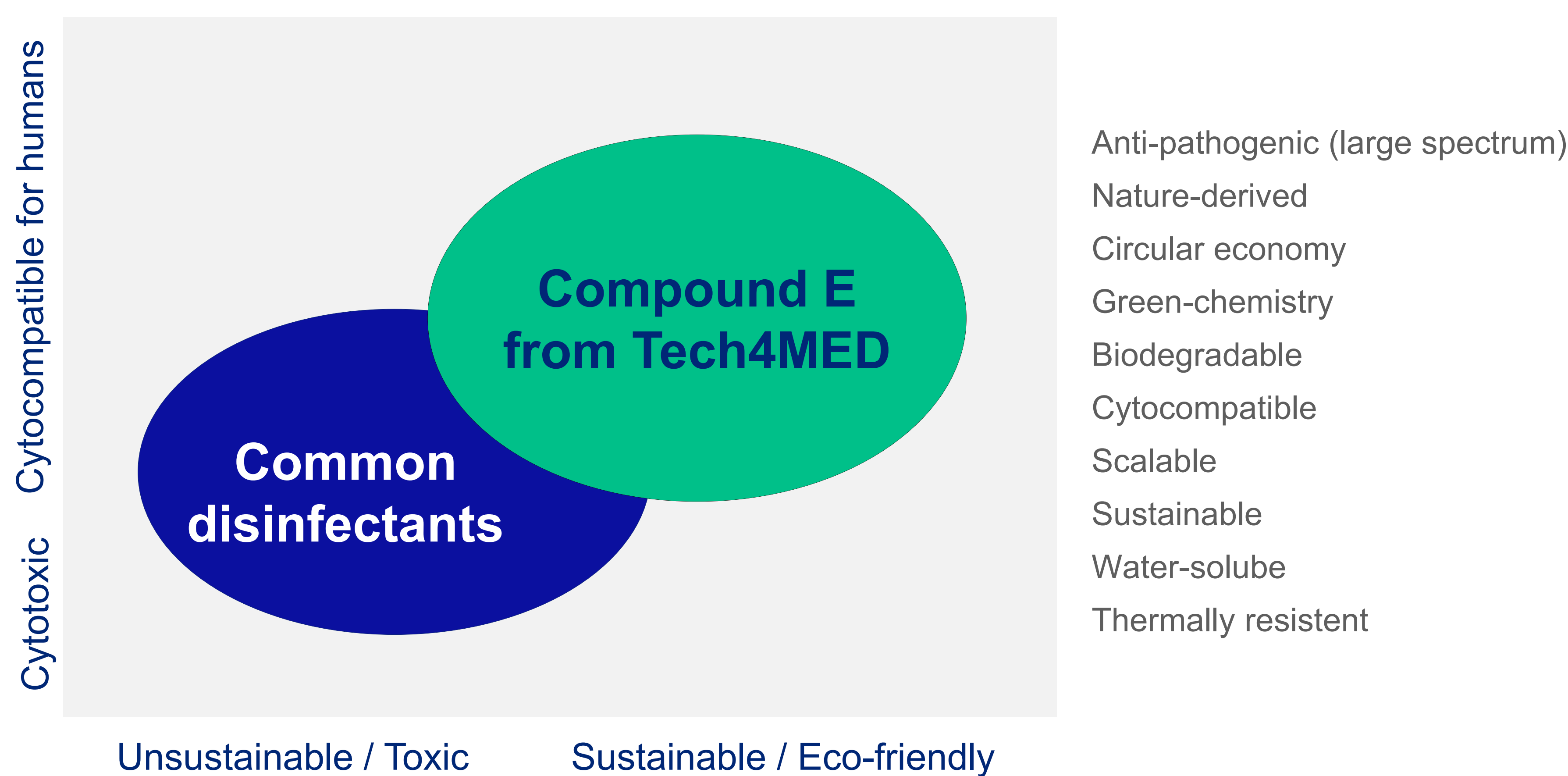
Anti-bacterial (Gram-negative | Gram-positive)

Initial CFU/mL	S. aureus		P. aeruginosa	
	Initial CFU/mL	Image	Initial CFU/mL	Image
Synthetic biocide (commercial control)	0		0	
Spray4MED	3.3E2		5.0E7	
Neg. Control	1.7E9		1.6E9	

Anti-viral assay (Influenza-A)



Anti-Pathogenic solutions



Acknowledgements

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