

Time Kill Study

AAL ID #: M2108130020-Puriton

NBK: Micro T.K

Pg#: 72

Pipette Vol. (mL): 0.5

Sample Size (g): 10

Neutralizer: 2DE+TSB

Organism	Exposure Intervals	Plate Media	Plate 1 (CFU)	Plate 2 (CFU)	Dilution Factor	Baseline (CFU/mL)	Plate 1 (CFU)	Plate 2 (CFU)	Recovered (CFU/g)	Log Reduction	% Reduction
Mucor circinelloides ATCC 24905 LOT#3712189 start date 08.24.21	30 minutes	PDA081821	6	7	10000000	3250000	3000000	250000	1625000	0.301029996	49.99996923
	4 hours	PDA081821	6	7	10000000	3250000	700000	600000	650000	0.698969336	79.99996923

Performed By: _____

Date: _____

SEP 14 2021

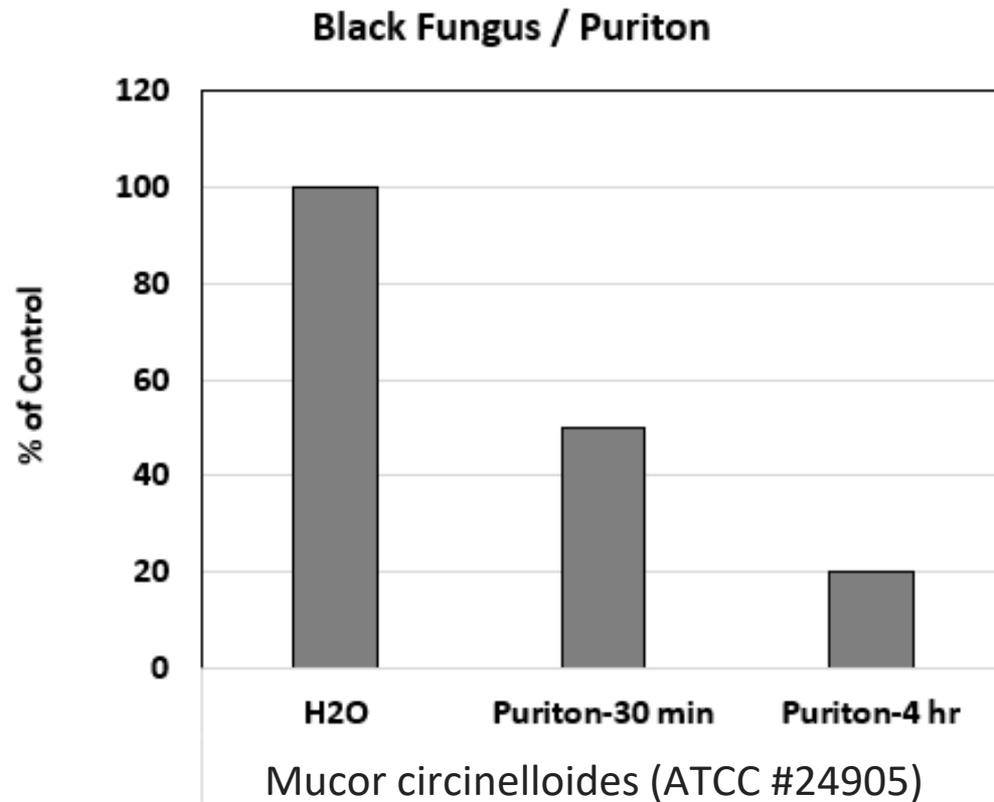
FRM 0092 rev. 02

Reviewed By: _____

Date: 09/14/21

Effect of Puriton to kill the Black Fungus

Mucor circinelloides (ATCC #24905)



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Rhizopus stolonifer ATCC 14037 Lot # 70030663 start date 08.24.21	30 minutes	PDA081821	10	12	1000000	550000	140000	190000	165000	0.522878745	69.99981818
	4 hours	PDA081821	10	12	1000000	550000	100000	100000	100000	0.740358347	81.818

Performed By: _____

Date: _____

SEP 14 2021

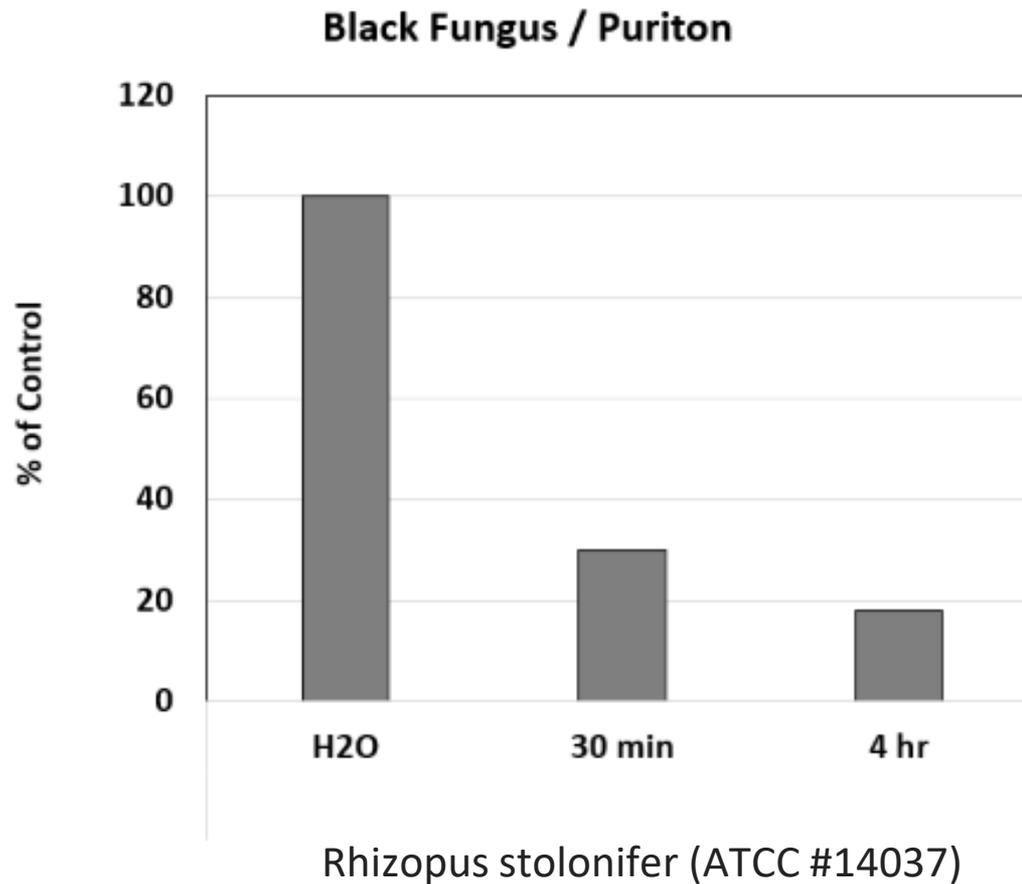
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Date: 09/14/21

Effect of Puriton to kill the Black Fungus

Rhizopus stolonifer (ATCC #14037)



Summary

- 1) Puriton 100 % 용액에 검은 털곰팡이증 (mucormycosis)의 원인균 2종을 30분, 4시간 동안 Incubation 한 결과 30 분에서는 약 50%-70% 이상 원인균을 죽이는 효과가 있음.
- 1) 4시간 에서는 약 70%-80% 이상 원인균을 죽이는 효과가 있음.
- 1) 실험에 사용된 원인균 2종은 Covid-19 환자에게 치명적인 검은 털곰팡이증 (mucormycosis)을 일으킨다.
- 1) 실험 결과에 기초 하면 Puriton은 여러 사용 방법에 따라 검은 털곰팡이증 (mucormycosis)감염을 예방 할 수 있다.