Highlighting innovative design features and useful application information for

**Thermo Scientific Nalgene Rapid-Flow Filters** 

# smart





**selection** design & innovation



# Why Thermo Scientific Rapid-Flow filters?

# Sterile filtering of media effectively reduces contamination during culture

This precautionary measure is sometimes curtailed for fear of removing critical media components or adding deleterious compounds during the filtration process.

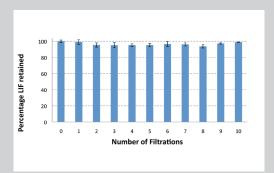
### The aPES membrane does it right

The aPES membrane in Nalgene Rapid-Flow filter does not diminish the important growth factor LIF in the media, nor does it affect the growth kinetics of the cells. (Fig. 1 and Fig. 2)

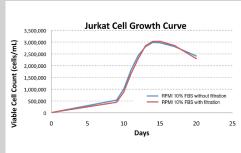
### The Nalgene Rapid-Flow filter does it quickly

The Rapid Flow design speeds up the filtration process by 20-25% compared to other brands of filters. (Fig. 3)

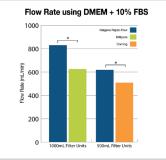




**Figure 1.** Filtration using Nalgene Rapid-Flow aPES filters did not significantly affect leukemia inhibitory factor (LIF) concentration in mouse embryonic stem cell growth media.



**Figure 2.** Filtration of RPMI media containing 10% FBS using Nalgene Rapid-Flow aPES filters did not change the growth kinetics of Jurkat cells.



**Figure 3.** Filtration of DMEM media containing 10% FBSis faster with Nalgene aPES filter units (\*p<0.05).

## Summary

Media filtered through Rapid-Flow filters maintain growth factor and support normal cell growth and morphology. Rapid-Flow filters are a safe solution for maintaining sterility in cell cultures.

See how Thermo Scientific Nalgene Rapid-Flow filters provide the last line of defense against contamination. Learn more at www.thermoscientific.com/rapidflow

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