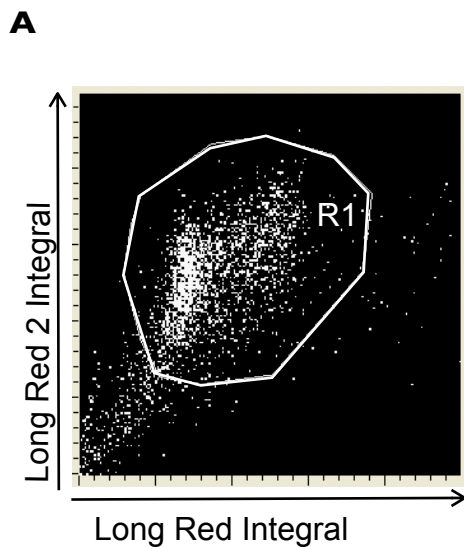


Supplemental Figure 1

Table 1. Accuracy of macrophage identification by LSC and a human operator



Well #	Macrophage Events		R1 Macrophage	
	LSC	Operator <sup>b</sup>	LSC	Operator <sup>b</sup>
1	100	89	84	100
2	100	78	84	94
3	100	96	89	97
4	100	97	86	97
5	100	95	84	96
Mean ± SD		91 ± 7	85 ± 2	96 ± 2

<sup>a</sup>Count of cells present in each of the categories, as identified by LSC, for a total of 100 macrophages per well. <sup>b</sup> % accurate values, measured by human operator observing LSC images.

**B**

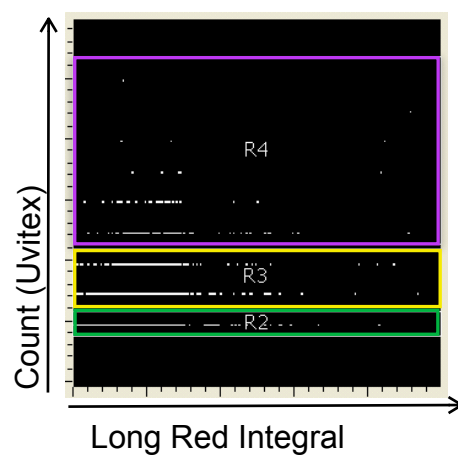


Table 2. Accuracy of number of ingested yeast cells by LSC and a human operator

Well #	No yeasts		1 yeast		2 yeasts		1-2 Yeasts		>3 Yeasts		
	LSC <sup>a</sup>	Correct <sup>b</sup>	LSC <sup>a</sup>	Correct <sup>b</sup>	LSC <sup>a</sup>	Correct <sup>b</sup>	LSC <sup>a</sup>	Correct <sup>b</sup>	LSC <sup>a</sup>	Correct <sup>b</sup>	
1	40	93	21	90	6	50	27	81	5	80	
2	36	94	21	76	2	50	23	96	8	75	
3	32	97	25	96	17	100	42	95	3	100	
4	27	93	24	92	13	77	37	86	5	60	
5	21	86	22	86	13	85	35	91	8	100	
Mean ± SD		31 ± 7	92 ± 4	23 ± 2	88 ± 8	10 ± 6	72 ± 21	33 ± 8	90 ± 6	6 ± 2	83 ± 17

<sup>a</sup>Count of cells present in each of the categories, as identified by LSC, for a total of 100 macrophages per well. <sup>b</sup> % accurate values, measured by human operator observing LSC images.

Supplemental Figure 1. **Accuracy of LSC identification.**

A) Macrophage Identification. Scatter plot of Macrophage events leads to definition of a region (in analogy to Flow Cytometry) where the majority of macrophages will be located. Counts are displayed in Table 1. B) Fungal Burden Quantification. Number of Uvitex events inside each macrophage were divided into categories and translated into color coded boxes: Zero Yeasts, Green; One or Two Yeasts, Yellow and More than Three, Magenta, allowing verification of software identification. Counts are displayed in Table 2. LSC could distinguish up to 10 yeasts cells ingested by a macrophage cell but for our experimental conditions definition of 2 categories was sufficient.