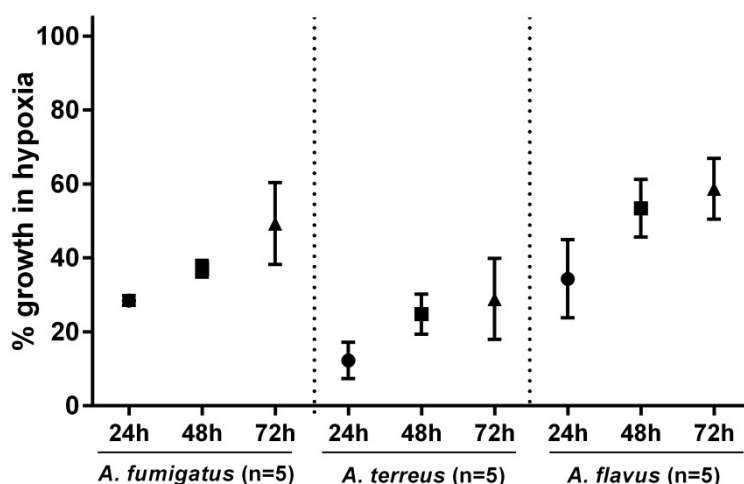


# Supplementary Materials:

## Hypoxia Decreases Diagnostic Biomarkers for Aspergillosis In Vitro



**Figure S1.** Hypoxia led to reduced biomass of *Aspergillus* species. Strains were grown in liquid RPMI<sub>1640</sub> containing 2% glucose at 37 °C under normal oxygen and hypoxic growth conditions for 24 h, 48 h and 72 h. Fungal growth (%) represents percentage of biomass from hypoxic cultures normalized to normoxic growth. For calculations average biomass of all five tested strains was used.

**Table S1.** Release of diagnostic biomarkers during in vitro growth of different *Aspergillus* spp. in RPMI<sub>1640</sub> medium under normal and hypoxic growth conditions. Amount of GM and BDG release was normalized to biomass (dry weight). Multiple t- test (graph pad prism software) was used for statistical analysis of biomarker release in normoxic conditions versus hypoxic conditions, p- values  $\geq 0.05$  were considered statistically different.

species	time (h)	$\mu\text{g GM/mg dry weight}$					$\mu\text{g BDG/mg dry weight}$				
		normoxia		hypoxia		p- value	normoxia		hypoxia		p- value
		mean	SD	mean	SD			mean	SD	mean	
<i>A. fumigatus</i> (n=5)	24h	3.27	0.14	11.51	2.96	0.001	0.09	0.07	0.27	0.16	0.04
	48h	7.58	3.60	11.36	3.86	0.08	0.14	0.05	0.16	0.06	0.53
	72h	12.10	3.04	10.15	2.50	0.29	0.11	0.03	0.14	0.07	0.44
<i>A. terreus</i> (n=5)	24h	8.96	1.87	26.89	10.22	0.05	0.16	0.03	0.76	0.52	0.05
	48h	21.40	4.14	15.94	4.67	0.47	0.23	0.13	0.24	0.08	0.52
	72h	18.11	2.16	21.74	5.77	0.23	0.19	0.09	0.19	0.07	0.99
<i>A. flavus</i> (n=5)	24h	11.41	0.84	20.55	6.01	0.16	0.08	0.02	0.30	0.12	0.13
	48h	8.56	2.78	7.57	0.98	0.59	0.10	0.07	0.23	0.06	0.23
	72h	14.40	3.12	9.93	0.31	0.18	0.14	0.06	0.15	0.07	0.76

GM; galactomannan; BDG;  $\beta$ -(1,3)-glucan; SD; standard derivation.