

Table 6. The effect of different nitrogen sources on the enzymatic activity of the 5 highest lipase producers of *Aspergillus sp.* Isolates:

Nitrogen source	Lipase activity (U/ml) \pm S.D	Dry weight (g/flask) \pm S.D	Diameter (cm) \pm S.D
Peptone			
<i>A. niger</i> MH111398	629.74 \pm 4.51	1.103 \pm 0.062	6.97 \pm 0.252
<i>A. niger</i> MH111400	620 \pm 8.87	1.308 \pm 0.037	7.07 \pm 0.208
<i>A. niger</i> MH078565	619.36 \pm 12.79	1.342 \pm 0.041	7 \pm 0.265
<i>A. niger</i> MH078571	713.33 \pm 2.22	1.396 \pm 0.059	7.6 \pm 0.200
<i>A. niger</i> MH079049	710.51 \pm 1.94	1.429 \pm 0.081	7.4 \pm 0.100
Yeast extract			
<i>A. niger</i> MH111398	669.49 \pm 10.61	1.037 \pm 0.038	5.57 \pm 0.153
<i>A. niger</i> MH111400	678.97 \pm 13.79	1.207 \pm 0.090	6.63 \pm 0.208
<i>A. niger</i> MH078565	708.97 \pm 5.12	1.133 \pm 0.066	6.7 \pm 0.100
<i>A. niger</i> MH078571	741.54 \pm 1.33	1.295 \pm 0.060	6.93 \pm 0.116
<i>A. niger</i> MH079049	734.36 \pm 3.87	1.309 \pm 0.068	7.27 \pm 0.208
Beef extract			
<i>A. niger</i> MH111398	508.72 \pm 8.85	0.979 \pm 0.079	3.47 \pm 0.058
<i>A. niger</i> MH111400	321.28 \pm 4.51	1.124 \pm 0.062	3.6 \pm 0.100
<i>A. niger</i> MH078565	502.82 \pm 3.47	1.04 \pm 0.086	4.97 \pm 0.058
<i>A. niger</i> MH078571	482.05 \pm 11.57	1.085 \pm 0.156	4.63 \pm 1.242
<i>A. niger</i> MH079049	522.05 \pm 3.95	1.204 \pm 0.111	6.53 \pm 0.153
NaNO₃			
<i>A. niger</i> MH111398	562.05 \pm 3.64	0.614 \pm 0.028	4.63 \pm 0.153
<i>A. niger</i> MH111400	561.28 \pm 25.76	0.702 \pm 0.071	3.93 \pm 0.116
<i>A. niger</i> MH078565	518.72 \pm 49.59	0.61 \pm 0.040	5.47 \pm 0.208
<i>A. niger</i> MH078571	433.59 \pm 3.64	0.729 \pm 0.036	4.8 \pm 0.200
<i>A. niger</i> MH079049	411.54 \pm 2.66	0.702 \pm 0.026	5.2 \pm 0.300
Casein			
<i>A. niger</i> MH111398	572.31 \pm 4.68	0.773 \pm 0.025	3.27 \pm 0.252
<i>A. niger</i> MH111400	448.21 \pm 8.92	0.911 \pm 0.026	3.3 \pm 0.265
<i>A. niger</i> MH078565	281.28 \pm 6.89	0.771 \pm 0.021	4.13 \pm 0.116
<i>A. niger</i> MH078571	315.64 \pm 4.24	0.892 \pm 0.064	4.47 \pm 0.153
<i>A. niger</i> MH079049	429.49 \pm 9.92	0.779 \pm 0.069	5.73 \pm 0.252
KNO₃			
<i>A. niger</i> MH111398	483.08 \pm 5.81	0.518 \pm 0.036	4.37 \pm 0.153
<i>A. niger</i> MH111400	438.21 \pm 5.40	0.607 \pm 0.037	3.83 \pm 0.153
<i>A. niger</i> MH078565	459.74 \pm 7.59	0.526 \pm 0.085	4.3 \pm 0.252

<i>A. niger</i> MH078571	486.67±7.11	0.819±0.070	3.6±0.100
<i>A. niger</i> MH079049	494.62±6.30	0.839±0.064	5.73±0.252

* Results are averages of three replicates