

CORRECTION

Correction: Activity of the Human Rhinovirus 3C Protease Studied in Various Buffers, Additives and Detergents Solutions for Recombinant Protein Production

Raheem Ullah, Majid Ali Shah, Soban Tufail, Fouzia Ismat, Muhammad Imran, Mazhar Iqbal, Osman Mirza, Moazur Rahman

The eighth author's name is incorrectly spelled. The correct name is: Moazur Rahman.

The footnote for Table 3 appears incorrectly in the Results and Discussion section. Please see the correct [Table 3](#) and footnote here.



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Table 3. Effect of detergents on the activity of the HRV 3C protease activity.

S.No.	Chemical Name	Critical micelle concentration	Activity
1	ANAPOE [®] -80	1% w/v	+++
2	n-Tetradecyl-β-D-maltoside	0.0335 mM	+++
3	ANAPOE [®] -C13E8	0.1% w/v	+++
4	C12E8	0.11 mM	+++
5	ANAPOE [®] -C12E10	1% w/v	+++
6	Sucrose monolaurate	0.3 mM	+++
7	n-Undecyl-b-D-maltoside	0.59 mM	++
8	CYMAL [®] -6	0.56 mM	+++
9	n-Nonyl-b-D-thiogluconide	0.15 mM	++
10	CYMAL [®] -5	5 mM	++
11	n-Nonyl-β-D-maltoside	6 mM	++
12	C8E4	8 mM	++
13	C-HEGA [®] -11	11.5 mM	++
14	n-Octyl-β-D-glucoside	20 mM	++
15	MEGA-9	25 mM	+
16	2,6-Dimethyl-4-heptyl-β-D-maltopyranoside	27.5 mM	+++
17	C-HEGA [®] -10	35 mM	0
18	HEGA [®] -9	39 mM	+
19	C-HEGA [®] -9	108 mM	0
20	HEGA [®] -8	109 mM	0
21	CYMAL [®] -2	120 mM	0
22	n-Hexyl-β-D-glucopyranoside	250 mM	+
23	NDSB-195	50 mM	+++
24	FOS-Choline [®] -12	1.5 mM	++
25	FOS-Choline [®] -8, fluorinated	2.2 mM	++
26	ZWITTERGENT [®] 3–12	4 mM	+
27	CHAPS	8 mM	++
28	CHAPSO	8 mM	++
29	n-Decyl-N,N-dimethylglycine	18 mM	0
30	ANAPOE [®] -58	1% w/v	++
31	MEGA-10	7 mM	+
32	CYMAL [®] -4	7.6 mM	++
33	Pluronic [®] F-68	1% w/v	+
34	HECAMEG [®]	19.5 mM	+
35	Sulfobetaine 3–10	25 mM	++
36	CYMAL [®] -3	34.5 mM	+
37	MEGA-8	79 mM	0
38	NDSB-256	50 mM	+
39	DDMAB	4.3 mM	+++
40	FOS-MEA [®] -10	5.2 mM	+
41	ZWITTERGENT [®] 3–10	40 mM	+++
42	FOS-Choline [®] -8	114 mM	0
43	LysoFos [™] Choline 12	0.7 mM	+
44	LysoFos [™] Choline 10	7 mM	+++
45	Sodium dodecanoylsarcosine	14.4 mM	+
46	ANAPOE [®] -20	1% w/v	0
47	n-Dodecyl-β-D-maltoside	0.17 mM	+++

(Continued)

Table 3. (Continued)

S.No.	Chemical Name	Critical micelle concentration	Activity
48	TRITON [®] X-100	0.9 mM	+++
49	LDAO	2 mM	++

The extent to which the HRV 3C protease has cleaved His8-MBP-HRV 3C-domain in presence of various detergents at their critical micelle concentration is shown in Fig 3 and represented as follows ‘+++’ for cleavage ~ 80 to 100%, ‘++’ for ~ 50% and ‘+’ for <50%, ‘0’ for almost no cleavage at all compared to control. Critical micelle concentration of detergents was taken from http://www.sigmaaldrich.com/content/dam/sigma-aldrich/docs/Sigma/Instructions/detergent_selection_table

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Reference

1. Ullah R, Shah MA, Tufail S, Ismat F, Imran M, Iqbal M, et al. (2016) Activity of the Human Rhinovirus 3C Protease Studied in Various Buffers, Additives and Detergents Solutions for Recombinant Protein Production. PLoS ONE 11(4): e0153436. doi: [10.1371/journal.pone.0153436](https://doi.org/10.1371/journal.pone.0153436) PMID: [27093053](https://pubmed.ncbi.nlm.nih.gov/27093053/)