

Acceptable maximum levels of chemicals for LavaDigest kit. The acceptable upper limit of interfering compounds commonly used in preparation of protein samples for digestions is provided in the table below.

Chemicals	Manufacturer	Recommended limit of chemicals found in 100 μL of protein samples in the LavaDigest assay
SDS	BDH	0.02%
triton X 100	UT Packard	0.001% v/v
tween 20	Sigma	0.002% v/v
Guanidine-HCl	BDH	500 μ M
CHAPS	BioRad	0.02%
NaOH	BDH	10 mM
dithiothreitol	BioRad	4 mM
iodoacetamide	Sigma-Aldrich	3 mM
Urea	Sigma-Aldrich	1 M
calcium chloride	BDH	5 mM
tris-HCl	Sigma-Aldrich	2.5 mM

Acceptable maximum was defined as difference in the constant decay rate (k_2) driven from trypsin-digested BSA sample less than 20% coefficient of variance between control and the tests containing interfering chemicals.