IBA Headquarters
IBA GmbH
Rudolf-Wissell-Str. 28
37079 Goettingen
Germany
Tel. +49 (0) 551-5 06 72-0
Fax +49 (0) 551-5 06 72-181

IBA US Distribution Center
1328 Ashby Road
Olivette, MO 63132
USA
Tel. 1-877-IBA-GmbH
(1-877-422-4624)
Fax 1-888-531-6813

E-mail: info@iba-lifesciences.com
http://www.iba-lifesciences.com

Data Sheet

IBA-lyse
Bacterial Lysis Buffer

Cat. No.: 2-1017-050; 2-1017-250
Lot No.: 1017-

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Version 1017-8

Description	IBA-lyse reagents are formulated for gentle disruption of *E. coli* and release of proteins. It consists of a reagent mix compatible with subsequent *Strep*-tag purification and provides a simple, rapid, inexpensive and most importantly more reproducible and milder alternative to mechanical methods such as sonication or French Press for preparation of cleared lysates to be submitted to affinity chromatography.
Kit content	• Buffer B which contains 1 mM EDTA, Tween 20 and avidin; store at 2-8 °C. (Cat. No. 2-1017-050: 50 ml; Cat. No. 2-1017-250: 2 x 125 ml) • Lyophilized lysozyme; store at -20 °C. • Lysozyme reconstitution buffer; store at 2-8 °C. (Cat. No. 2-1017-050: 0.1 ml; Cat. No. 2-1017-250: 0.5 ml) • Lyophilized DNase I; store at -20 °C. • DNase reconstitution buffer; store at 2-8 °C. (Cat. No. 2-1017-050: 0.1 ml; Cat. No. 2-1017-250: 0.5 ml)
Prior to first use	• Dissolve provided lysozyme and DNase with the respective reconstitution buffer, store resulting stock solutions at -20°C. • Determine how much cells are intended to be lysed in the next 3 months (2 ml Buffer B containing lysozyme will be needed for 100 ml bacterial culture). Add 2 µl lysozyme stock solution per ml Buffer B to the corresponding amount of Buffer B. • Store Buffer B containing lysozyme at 2-8 °C for up to 3 months. • **DO NOT ADD DNase TO THE BUFFER!** DNase is added after the lysis of the bacterial cells.
Stability	12 months after shipping
Storage	Enzymes (reconstituted or lyophilized) at -20°C, buffers are stable at 2-8 °C. Store Buffer B containing lysozyme at 2-8 °C at which it will be stable for 3 months.
Shipping	Room temperature
Remarks	Toxicity not reported. Could provoke allergic skin reactions.

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