

Competitive Comparison of **NoEndo** JETSTAR Endotoxin-Free MEGA System and Qiagen

Specification	NoEndo JETSTAR MEGA ENDOTOXIN-FREE System	Qiagen Mega „endofree“
Technology	Anion-exchange chromatography	Anion-exchange chromatography
Type of Procedure	Vacuum cartridges	Gravity-flow columns
Preparation of Cleared Lysate	Alkaline Lysis	Alkaline Lysis
Time MEGA Procedure	10 min	> 1 h
Reproducibility	Yes	-----
DNA Yield MEGA	Up to 3.0 mg	Up to 2.5 mg
Number of Endotoxin Removal Steps	2	1
Incubation time after addition of endotoxin removal buffer	Not necessary (0 min)	30 min
Lysate appearance after addition of endotoxin removal buffer	Fully clear	Turbid
Maximal Endotoxin Content in Certified Buffers	<0,1 EU/ml	<10 EU/ml
Remaining Endotoxin Content in plasmid DNA	<0.001 EU/μg DNA	<0.1 EU/μg DNA
Plasmid Quality	Ultrapure	Very pure
DNA suitable for: Transfection in general	Yes	-----
Transfection of Very Sensitive and Primary Cell Lines	Yes	-----
Genetic Vaccination	Yes	-----
Other crucial <i>in vivo</i> Applications (e.g. Gene Therapy Research)	Yes	-----