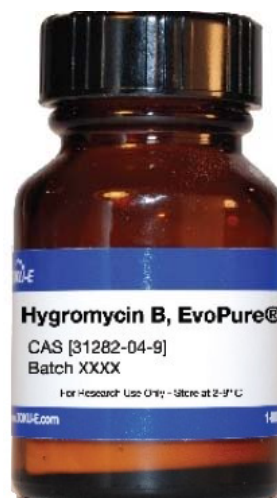


# EVOPURE®

Better Cells. Better Science.

**EVOPURE®** is an innovative product which developed by employing proprietary chemical separation methods to produce highly purified single antibiotic fractions, most >99% pure. Many **EVOPURE®** antibiotics were designed to separate useful potent fractions from other toxic compounds present in standard grade antibiotics. This has shown to be especially useful in gene selection applications which effectively inhibit growth of non-resistant cells without harming selected cells.



Other **EVOPURE®** products have been developed by request from scientists who took advantage of TOKU-E's custom manufacturing service to study effects of individual antibiotic fractions.

### Hygromycin B EVOPURE as example

Through the use of the hygromycin resistant gene (hpt gene) as a selectable marker, Hygromycin B (20 – 100 µg/ml) is commonly used in gene selection experiments to select for transfected cells. Unfortunately, the purity of commercially available hygromycin B ranges anywhere from 60% to 92%. Recently, all impurities in commercially available hygromycin B were identified, and it was found that one of them can kill most of the hygromycin B resistant plant cells at 1 – 10 µg/ml. By using today's best technology to craft **EVOPURE®** hygromycin B, you can now buy the purest and least toxic (>99.5%) hygromycin B on the market.

HPLC Retention Time	Batch of Hygromycin B					Impurities of Hygromycin B
	Supplier A (%)	Supplier B (%)	Supplier C (%)	TOKU-E (%)	<b>EVOPURE®</b> (%)	
6.0 min	2.17	-	2.27	-	-	A
6.9 min	5.11	1.0	5.97	-	-	C
7.1 min	1.59	-	-	-	-	D
7.4 min	6.54	1.75	5.92	1.2	0.5	E
8.1 min	18.5	14.35	15.4	1.55	-	F
8.6 min	64.9	79.4	66.7	94.7	99.0	Hygromycin B

Table 1 HPLC Major Impurities (Over 1%) for different supplier's Hygromycin B identified as different retention times



## Promotional prices for July 2013

Cat. nr.	Product name	Packaging	Price	
G030	G418	1 x 1 g	€ 210	€ 93
		1 x 5 g	€ 748	€ 282
		10 x 5 g	€ 6 014	€ 2 130
H010	Hygromycine B, <i>Evopure</i>	1 x 1 g	€ 202	€ 90
		1 x 10 g	€ 1 426	€ 520
		5 x 10 g		€ 2 284
H015	Hygromycine B, <i>Evopure</i> Solution	5 x 2 mL	€ 202	€ 90
		25 x 2 mL	€ 828	€ 310
B001	Blasticidin S Hydrochloride	1 x 25 mg	€ 162	€ 76
		1 x 100 mg	€ 449	€ 177
		1 x 1 g	€ 3 022	€ 1 080
P025	Puromycine de-HCl Solution	5 x 1 ml	€ 95	€ 53
		1 x 20 ml	€ 307	€ 127
		10 x 20 ml	€ 1 466	€ 534
B019	Bleomycine A2 Sulfate <i>Evopure</i>	1 x 5 mg	€ 1 426	€ 520
B020	Bleomycine B2 Sulfate <i>Evopure</i>	1 x 10 mg	€ 728	€ 275
K013	Kanamycine A Sulfate <i>Evopure</i>	1 x 100 mg	€ 449	€ 177
N019	Neomycine B Sulfate <i>Evopure</i>	1 x 10 mg	€ 449	€ 177
S008	Streptomycine Sulfate	1 x 100 g	€ 131	€ 65
P044	Penicillin G, <i>Evopure</i>	1 x 100 mg	-	€ 345
G035	Gentamycine A Sulfate <i>Evopure</i>	1 x 10 mg	€ 449	€ 177
G031	Gentamycine C1 Sulfate <i>Evopure</i>	1 x 10 mg	€ 449	€ 177
G032	Gentamycine C1a Sulfate <i>Evopure</i>	1 x 10 mg	€ 449	€ 177
G033	Gentamycine C2 Sulfate <i>Evopure</i>	1 x 10 mg	€ 449	€ 177
G034	Gentamycine C2a Sulfate <i>Evopure</i>	1 x 10 mg	€ 449	€ 177



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