



Manufactured By: Xenometrix AG

## S9 Cofactor Kit

Art. No.  $\text{CPCO-0800}$

Use the table below to prepare the 30% S9 mix according to Appendix B of the Ames MPF instruction manuals:

Solution	Volumes for 1 strain	Volumes for 2 strains	Volumes for 3 strains	Volumes for 4 strains	Volumes for 5 strains
S9 - Buffer-Salts	0.863 ml	1.438 ml	2.186 ml	2.876 ml	3.566 ml
S9 - G-6-P	0.038 ml	0.063 ml	0.096 ml	0.126 ml	0.156 ml
S9 - NADP	0.150 ml	0.250 ml	0.380 ml	0.500 ml	0.620 ml
S9 fraction	0.450 ml	0.750 ml	1.140 ml	1.500 ml	1.860 ml
Final Volume =	1.501 ml	2.501 ml	3.802 ml	5.002 ml	6.202 ml

### S9 - Buffer-Salts (20 ml)

-KCl 57.7 mM

-MgCl<sub>2</sub> 13.9 mM

-NaH<sub>2</sub>PO<sub>4</sub>-buffer pH 7.4 177.3 mM

Store at 2-8 °C (if crystals form during storage, they should be dissolved by heating)

### S9 - G-6-P (0.9 ml)

Glucose-6-phosphate 200 mM

Store at -20 °C

Can be aliquoted into smaller portions to avoid repeated thawing.

### S9 - NADP (3.5 ml)

NADP 40 mM

Store at -20 °C

Can be aliquoted into smaller portions to avoid repeated thawing.