

## 514b: MEDIUM 514 plus additional salt

This recipe contains strain-specific modifications for *Cobetia marina* DSM 5160 \*

Final pH: 7.6

Final volume: 1000 ml

<b>Main sol. 514</b>	1000.00	ml
Agar (adjust in required in range 15-20), for solid medium	17.50	g/l
<b>NaCl</b>	<b>60.00</b>	<b>g</b>

1. Use medium 514 to which is added NaCl at the concentration indicated (i.e. "514 + 6% NaCl" indicates use medium 514 to which 60 g/l NaCl has been added; see strain dependant modifications).
2. Final pH 7.6. The medium may be solidified by adding 15 - 20 g/l agar.

\* Supplement medium with 60.0 g NaCl.

### Main sol. 514 (from medium 514)

Bacto peptone	5.00	g
Yeast extract (Bacto )	1.00	g
Fe(III) citrate	0.10	g
NaCl	19.45	g
MgCl <sub>2</sub> (anhydrous)	5.90	g
Na <sub>2</sub> SO <sub>4</sub>	3.24	g
CaCl <sub>2</sub>	1.80	g
KCl	0.55	g
NaHCO <sub>3</sub>	0.16	g
KBr	0.08	g
SrCl <sub>2</sub>	34.00	mg
H <sub>3</sub> BO <sub>3</sub>	22.00	mg
Na-silicate	4.00	mg
NaF	2.40	mg
(NH <sub>4</sub> )NO <sub>3</sub>	1.60	mg
Na <sub>2</sub> HPO <sub>4</sub>	8.00	mg
Distilled water	1000.00	ml

Final pH should be 7.6 ± 0.2 at 25°C. If using the complete medium from Difco add 37.40 g to 1 litre water.