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Appendix 1- Chemicals used as part of embalming solutions.

Formalin Based solution:

62.5% Industrial Methylated Spirits

5% Phenol

7.5% Formaldehyde

17.5% Glycerine

7.5% Water

Thiel Embalming Solution:

	Arterial infusion	Venous infusion	Tank fluid	Moistening fluid
Hot tap water	6.8 L	1.45 L	1250 L	20 L
Boric acid	250 g	80 g	45 kg	600 g
Ammonium nitrate	1680 g	520 g	150 kg	-
Potassium nitrate	420 g	130 g	75 kg	-
Sodium sulphite	700 g	190 g	105 kg	1 kg
Propylene glycol	2.5 L	780 mL	150 L	1 L
Stock II	500 mL	190 mL	30 L	200 mL
Formal. Sol. (8.9%)	2.1 L	1.5 L	125 L	-
Morpholine	150 mL	110 mL	-	-
Alcohol	1 L	1.1 L	-	-
Total Vol [L] ca.	13	5.5	1720	22

Stock II is a mixture of 1 Kg chlorocresol in 10 L of glycol and needs to be mixed in advance due to slow dissolution. Total volumes are approximate and based on an average size cadaver and the size of the tank currently in use.

This technique was based on the protocol used at the University of Dundee.

Imperial College London Soft-preserving Solution

2L 80% Aqueous phenol

4L Glycerol

8L Industrial methylated spirits

8L Water

This technique was based on the protocol used at Imperial College London.

Genelyn Solution:

The Genelyn Anatomical Series Arterial University Fluid (Product number: ART505010) provided by the European Embalming Products Company Ltd was used.