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# BIOCLONE AUSTRALIA PTY LIMITED

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## SCREENING

*Assays with high specificity, speed, throughput & reliability*

### Neonatal Screening

#### **ELEGANCE NEONATAL TSH ELISA**

*(test for congenital hypothyroidism)*

Poster presented at the

XV INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY  
(ICCC – Melbourne, November 1993)

#### **Development and Clinical Trial of a Rapid Neonatal TSH ELISA**

A.Senese<sup>1</sup>, L.Fry<sup>1</sup>, S.O'Grady<sup>2</sup>, K.Lowe<sup>1</sup>, N.Georgiakakis<sup>1</sup>, JA.Summers<sup>3</sup>, D.Mortimer<sup>3</sup>, R.Johanson<sup>1</sup>, M.Švejkar<sup>1</sup>

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Full reprints of the poster can be obtained by contacting email: [sales@bioclone.com.au](mailto:sales@bioclone.com.au)

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Bioclone's Quality Management System certified to ISO 9001, ISO 13485, GMP and CE Mark

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***ELEGANCE NEONATAL IRT ELISA***  
*(test for cystic fibrosis)*

Poster presented at the

INTERNATIONAL SOCIETY FOR NEONATAL SCREENING:  
THIRD INTERNATIONAL MEETING  
(Boston, October 1996)

**Development and Clinical Trial of a Neonatal Immunoreactive Trypsinogen (IRT) ELISA**

K.Lowe, N.Georgiakakis, A.Senese, M.Švejkar

Bioclone Australia Pty Limited, Sydney, Australia

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## **Population Screening & Surveillance**

### **URINARY IODINE ASSAY**

*(test for iodine deficiency disorders)*

Poster presented at the

XVII INTERNATIONAL CONGRESS OF CLINICAL CHEMISTRY  
(IFCC-Worldlab – Florence, June 1999)

#### **Development of a Microtitre Plate Format Urinary Iodine Assay**

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## Urinary Iodine Assay - Sealing Cassette Instruction Sheet

### Introduction

- The “Sealing Cassette” is especially designed for heating a heat-resistant 96-well microplate.
- The “Sealing Cassette” is all metallic, except the silicon rubber sheets, in order to withstand heating.



### 1. Handling of the Sealing Cassette

#### (1) Setting up a 96-well microplate:

- 1) Rotate anti-clockwise the top-knob to loosen the side-prongs and pinch front-lever arms. (The bonnet is then free from the body.)
- 2) Open the bonnet whilst the front-lever arms are pinched.
- 3) Set the microplate along the guide and on the lower silicon sheet.
- 4) Shut the bonnet by pinching the front-lever arms.
- 5) After re-fitting the side-prongs into the hole, release the front-lever arms (check both sides), ensuring upper silicon rubber is in place.
- 6) Close the bonnet tightly by clockwise rotation of the top-knob. (The bonnet should be flat.)

#### (2) Heating procedure:

- 1) Preheat the Sealing Cassette separately before use to minimize oven-type variation [90° C for 60 minutes]. Use gloves for removal.
- 2) Use gloves to place the Sealing Cassette (with microplate as instructed above) in the oven [90° C for 90 minutes for UI testing].

NB. i) Increase of temperature inside the Sealing Cassette can be affected by oven-type, so follow incubation instructions precisely.

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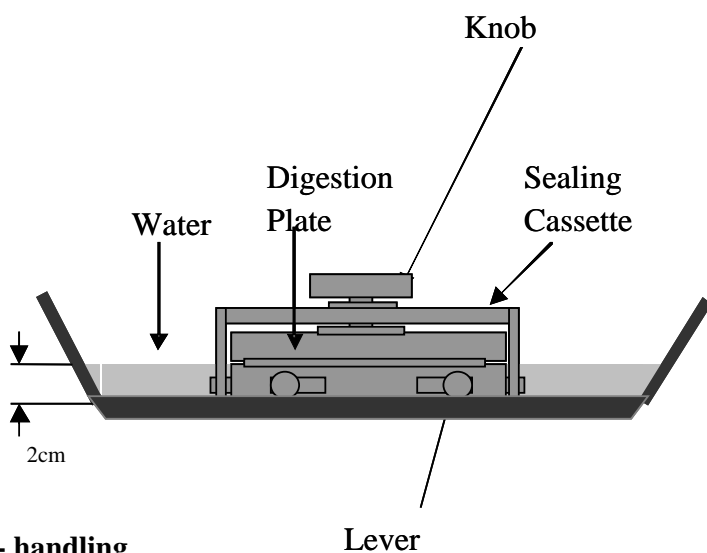


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ii) The temperature inside of the Sealing Cassette in the forced convection oven increases faster than that in the natural oven. Incubation conditions have been designed to minimize variation.)

### (3) Cooling procedure:

- 1) Using gloves, transfer the Sealing Cassette from the oven into a waterbath to cool the underside of the cassette. (Water should be poured into the waterbath to a depth of 2 cm beforehand).
- 2) When the topside of the Sealing Cassette returns to room temperature after 20-30 minutes, loosen the top-knob and unlock the Sealing Cassette by pressing the front-lever arms inward (as above) and simultaneously opening the bonnet.
- 3) Open the Sealing Cassette and take out the 96-well plate.



## 2. Caution - handling

*[High temperature ! Burns ! ]*

Be sure to wear heat-resistant gloves (eg. cotton work gloves) when placing the Sealing Cassette into and out of the oven as well as with subsequent handling.