

# Shandon Excelsior™

## APPLICATION NOTE

### 300 CASSETTE PROCESSING

Shandon Excelsior will process up to 300 cassettes if the instructions below are followed:

1. Use the **random basket** supplied with the instrument.

**Note:**

*Only the random basket has sufficient capacity for 300 cassettes, since the organised basket has a capacity limitation of 222 specimens.*

2. Make sure that all specimens are adequately fixed.

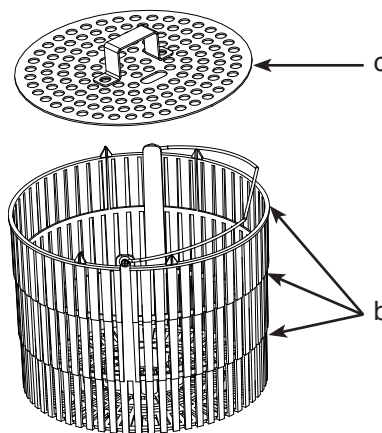


**DO NOT OVERFILL THE CASSETTES WITH TISSUE** - to make sure that the tissue is adequately exposed to the reagents.

3. Load the random basket with 3 layers of cassettes (100 per layer). Make sure that the cassettes are arranged with the cassette label facing upwards (a).

**Note:**

*Use the three defined rings of the basket as a guideline for each layer (b).*



4. Place the metal lid on the top layer to secure the cassettes (c).
5. The Shandon Excelsior must be loaded with 5 litres of fresh reagent in each bottle

**Note:**

*With 222 cassette capacity, reagent volumes are in the range 3.8 - 5 litres.*

6. Use the first alcohol quality indicator to monitor and maintain reagent quality and to determine when the reagent replenishment is required. (See *Shandon Excelsior Operator Guide* page 48)
7. Select **[PROGRAM]** from the *Main Menu*.

8. Edit the processing program to be used and increase the drain time to 120 seconds in reagent steps, and 180 seconds in wax steps. (*See Shandon Excelsior Operator Guide page 36*)
9. Return to the *Main Menu* to start processing.
10. Open the reaction chamber lid, load the random basket filled with cassettes and close the lid securely.
11. On the red *Process Start* screen, use the level key to select maximum fill level of 3 levels, **not the random basket indicator**. (*See Shandon Excelsior Operator Guide page 40*)
12. If necessary use **[PROCESS SELECT]** to display the required program.
13. Press **[START]** or **[DELAYED START]** to commence processing.
14. Confirm that the first reagent has been drawn into the Reaction Chamber and that *Processing* is displayed in the status line.

# Thermo

ELECTRON CORPORATION

Thermo Electron Corporation, Anatomical Pathology  
93-96 Chadwick Road, Astmoor, Runcorn, Cheshire, WA7 1PR, United Kingdom  
Tel: +44 (0) 1928 566611; Fax: +44 (0) 1928 565845; [www.thermo.com/shandon](http://www.thermo.com/shandon)