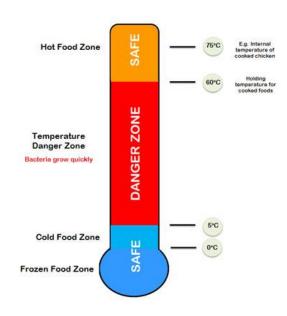
Unit 207 Handout 8

# Unit 207: Food safety

### **Handout 8: Temperature controls**



Time and temperatures are key to controlling the conditions bacteria require to multiply to levels that cause food poisoning.

Every possible step must be taken to destroy pathogenic micro-organisms before food is eaten.

Temperatures must be checked throughout the food flow and records kept to comply with legislation.

#### **Key terms**

- Core temperature the temperature at the centre or thickest part of the food item.
- Pasteurisation heat treatment that kills pathogenic bacteria but not spoilage bacteria
- **Perishable** food likely to spoil quickly
- Danger zone Between 5°C –63°C is the temperature range when bacteria multiply.

#### **Controls**

- Restricting the time high-risk foods are in the danger zone no more than 2 hours
- Using low temperatures outside the danger zone by freezing high-risk foods to restrict bacteria multiplying – below 5°C
- Using high temperatures outside the danger zone by cooking food thoroughly to destroy pathogenic micro-organisms – above 63°C (minimum core temperature of 70°C for 2 minutes)
- Check temperatures of deliveries 0°C–5°C for refrigerated foods, -22°C to -18°C for frozen foods
- Refrigerate high-risk, raw and perishable foods immediately after delivery
- Keep food refrigerated until just before they are needed for preparation / cooking
- Serve food at 63°C or hotter
- Thaw frozen food correctly to ensure the outside of the food is not in the danger zone while the inside is frozen: 0°C –5°C
- Reheating food adequately if it needs to be reheated to kill pathogenic micro-organisms reheat to 70°C for 2 minutes
- Hot holding items are kept at a minimum core temperature of 63°C
- Cold holding items are kept at 0°C –5°C.



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## Food safety dangers:

- left standing at an ambient temperature
- left in sunlight in a shop window
- heated slowly
- cooled slowly before refrigeration
- deliveries not stored immediately
- hot sauce poured over cold food
- hot food 'topped up'.