

**2002 No. 889**

**FOOD, ENGLAND**

**The Meat (Hazard Analysis and Critical Control Point)  
(England) Regulations 2002**

*Made - - - - - 16th May 2002*

*Laid before Parliament 16th May 2002*

*Coming into force in accordance with regulation 2*

The Secretary of State being a Minister designated**(a)** for the purposes of section 2(2) of the European Communities Act 1972**(b)** in relation to the common agricultural policy of the European Community in exercise of the powers conferred on him by that section so far as these Regulations amend the Products of Animal Origin (Import and Export) Regulations 1996**(c)**;

And the Secretary of State in exercise of the powers conferred on him by sections 16(1)(b) and (f) and 17(1) of the Food Safety Act 1990**(d)** and now vested in him**(e)** having had regard in accordance with section 48(4A) of that Act to relevant advice given by the Food Standards Agency and after consultation in accordance with section 48(4) and (4B) of that Act;

And after consultation as required by Article 9 of Regulation (EC) No. 178/2002 of the European Parliament and of the Council laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety**(f)**;

Makes the following Regulations:

**Title, extent, interpretation and scope**

**1.**—(1) These Regulations may be cited as the Meat (Hazard Analysis and Critical Control Point) (England) Regulations 2002 and extend to England only.

(2) In these Regulations—

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**(a)** By S.I. 1972/1811.

**(b)** 1972 c.68.

**(c)** S.I. 1996/3124, amended by S.I. 1997/3023, S.I. 1998/994, S.I. 1999/683, S.I. 2000/225, S.I. 2000/656, S.I. 2000/790, S.I. 2000/2215, S.I. 2001/1553 and S.I. 2001/1640. The provisions of S.I. 1996/3124 which apply to products imported from third countries are disapplied by S.I. 2002/1227.

**(d)** 1990 c.16.

**(e)** Functions formerly exercisable by “the Ministers” (being in relation to England and Wales and acting jointly the Minister of Agriculture, Fisheries and Food and the Secretaries of State respectively concerned with health in England and food and health in Wales and in relation to Scotland the Secretary of State) are now exercisable in relation to England by the Secretary of State pursuant to paragraph 8 of Schedule 5 to the Food Standards Act 1999 (1999 c.28), and paragraphs 12 and 21 of that Schedule amend respectively sections 17(1) and 48 of the 1990 Act. Functions of “the Ministers” so far as exercisable in relation to Wales were transferred to the National Assembly for Wales by the National Assembly for Wales (Transfer of Functions) Order 1999 (S.I. 1999/672) as read with section 40(3) of the 1990 Act and those functions so far as exercisable in relation to Scotland were transferred to the Scottish Ministers by section 53 of the Scotland Act 1998 (1998 c.46) as read with section 40(2) of the 1990 Act. Regulation 13(4) of S.I. 2000/656 expressly authorises the Secretary of State to amend or revoke existing Regulations made or having effect as if made by the Minister of Agriculture, Fisheries and Food (whether with others or not) under the Food Safety Act 1990.

**(f)** OJ No. L31, 1.2.2001, p.1.

“the Fresh Meat Regulations” means the Fresh Meat (Hygiene and Inspection) Regulations 1995(a);

“fresh poultry meat” has the same meaning as in regulation 2(1) of the Poultry Meat Regulations;

“fresh red meat” means fresh meat as defined in regulation 2(1) of the Fresh Meat Regulations;

“licensed poultry meat cutting plant” means cutting premises licensed under regulation 4 of the Poultry Meat Regulations;

“licensed poultry meat slaughterhouse” means a slaughterhouse licensed under regulation 4 of the Poultry Meat Regulations;

“licensed red meat cutting plant” means cutting premises licensed under regulation 4 of the Fresh Meat Regulations;

“licensed red meat slaughterhouse” means a slaughterhouse licensed under regulation 4 of the Fresh Meat Regulations;

“livestock unit” has the same meaning as in regulation 2(1) of the Fresh Meat Regulations;

“poultry” means domestic fowls, turkeys, guinea fowls, ducks and geese;

“the Poultry Meat Regulations” means the Poultry Meat, Farmed Game Bird Meat and Rabbit Meat (Hygiene and Inspection) Regulations 1995(b); and

“the specified amount” means—

- (a) in the case of any licensed red meat slaughterhouse, 500 livestock units;
- (b) in the case of any licensed red meat cutting plant, 150 tonnes of fresh red meat;
- (c) in the case of any licensed poultry meat slaughterhouse, 200,000 poultry; and
- (d) in the case of any licensed poultry meat cutting plant, 150 tonnes of fresh poultry meat.

(3) Nothing in these Regulations shall apply in relation to any licensed red meat slaughterhouse which is used to process bovine animals under the purchase scheme introduced by Commission Regulation (EC) No. 716/96 adopting exceptional support measures for the beef market in the United Kingdom(c).

### **Commencement**

2.—(1) Subject to paragraph (2) below, these Regulations come into force on 7th June 2002.

(2) Notwithstanding paragraph (1) above, these Regulations come into force on 7th June 2003 in so far as they apply in relation to any small meat establishment.

(3) For the purposes of paragraph (2) above, a “small meat establishment” means—

- (a) a licensed red meat slaughterhouse, a licensed poultry meat slaughterhouse, a licensed red meat cutting plant or a licensed poultry meat cutting plant which—
  - (i) was operational in the calendar year 2000 and had an average weekly throughput in that year lower than the specified amount,
  - (ii) became operational for the first time on or after 1st January 2001 but before 1st May 2002 and had an average weekly throughput during the time it was operational in that period lower than the specified amount, or
  - (iii) became operational for the first time on or after 1st May 2002 and which the Agency considers is likely to have an average weekly throughput lower than the specified amount;
- (b) a cold store licensed under regulation 4 of the Fresh Meat Regulations or regulation 4 of the Poultry Meat Regulations, in each case with a storage capacity of less than 25,000 cubic metres;

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(a) S.I. 1995/539, amended by S.I. 1995/731, S.I. 1995/1763, S.I. 1995/2148, S.I. 1995/2200, S.I. 1995/3124, S.I. 1995/3189, S.I. 1996/1148, S.I. 1996/2235, S.I. 1997/1729, S.I. 1997/2074, S.I. 2000/225, S.I. 2000/656, S.I. 2000/2215, S.I. 2001/1512, S.I. 2001/1739, S.I. 2001/1771, S.I. 2001/2601, S.I. 2001/3451 and S.I. 2002/118.

(b) S.I. 1995/540, amended by S.I. 1995/1763, S.I. 1995/2148, S.I. 1995/2200, S.I. 1995/3205, S.I. 1997/1729, S.I. 2000/225, S.I. 2000/656, S.I. 2000/2215 and S.I. 2001/3399.

(c) OJ No. L99, 20.4.96, p.14.

- (c) a re-packaging centre licensed under regulation 4 of the Fresh Meat Regulations; or
- (d) a re-wrapping centre licensed under regulation 4 of the Poultry Meat Regulations.

### **Amendments to the Fresh Meat (Hygiene and Inspection) Regulations 1995**

3.—(1) In so far as they extend to England, the Fresh Meat Regulations are amended in accordance with the following paragraphs of this regulation.

(2) The following sub-paragraph is inserted between sub-paragraphs (aA) and (b) of paragraph (1) of regulation 8 (supervision of premises)—

“(aB) the inspection of any documents and records required to be retained by the occupier pursuant to regulation 20(1) (eA) or (eB);”.

(3) In paragraph (1)(e) of regulation 8, the phrase “, 17, 17A, 17B and 17C” is substituted for the phrase “and 17”.

(4) In sub-paragraph (d) of paragraph (1) of regulation 20 (duties of occupier)—

- (a) the words “conduct regular” are substituted for the words “carry out”; and
- (b) the phrase “(including any microbiological checks the Agency may require)” is revoked.

(5) In sub-paragraph (e) of paragraph (1) of regulation 20, the words “by virtue of” are substituted for the words “pursuant to”.

(6) The following sub-paragraphs are inserted between sub-paragraphs (e) and (f) of paragraph (1) of regulation 20—

“(eA) shall retain for a period of at least one year any documents and records established by him in accordance with paragraph (4)(g) below;

(eB) shall retain for a period of at least 18 months any records which, in compliance with Schedule 17A, 17B or 17C, as appropriate, he has made following the carrying out by him of microbiological checks in accordance with paragraph (5) below;”.

(7) The following paragraphs are added after paragraph (3) of regulation 20—

“(4) The occupier of any licensed slaughterhouse, licensed cutting premises, licensed cold store or licensed re-packaging centre shall conduct the regular checks on the general hygiene of conditions of production in those premises which are required by paragraph (1)(d) above by implementing and maintaining a permanent procedure developed in accordance with the following principles—

- (a) identify any hazards that must be prevented, eliminated or reduced to acceptable levels;
- (b) identify the critical control points at the step or steps at which control is essential to prevent or eliminate a hazard or reduce it to acceptable levels;
- (c) establish critical limits at critical control points which separate acceptability from unacceptability for the prevention, elimination or reduction of identified hazards;
- (d) establish and implement effective monitoring procedures at critical control points;
- (e) establish corrective actions when monitoring indicates that a critical control point is not under control;
- (f) establish procedures to verify whether the measures outlined in sub-paragraphs (a) to (e) above are working effectively; verification procedures shall be carried out regularly; and
- (g) establish documents and records commensurate to the nature and size of the business to demonstrate the effective application of the measures outlined in sub-paragraphs (a) to (f) above and to facilitate official controls.

(5) The occupier of any licensed slaughterhouse shall, in conducting the regular checks on the general hygiene of conditions of production in those premises which are required by paragraph (1)(d) above, carry out microbiological checks—

(a) in relation to carcasses, in accordance with the procedures laid down in—

(i) Schedule 17A, or

(ii) Schedule 17B; and

(b) in relation to cleaning and disinfection of the premises, in accordance with the procedures laid down in Schedule 17C.

(6) The occupier of any licensed cutting premises shall, in conducting the regular checks on the general hygiene of conditions of production in those premises which are required by paragraph (1)(d) above, carry out microbiological checks in relation to cleaning and disinfection of the premises, in accordance with the procedures laid down in Schedule 17C.”.

(8) The following Schedules are inserted between Schedules 17 and 18—

“Schedule 17A

Regulations 8(1)(e),  
20(1)(eB) and  
20(5)(a)(i)

COMMUNITY PROCEDURES FOR CONDUCTING MICROBIOLOGICAL  
CHECKS ON CARCASSES

**Sampling procedure and number of samples to be taken**

1. (a) Between 5 and 10 carcasses should be sampled on a single day during each week. The day of sampling should be changed to ensure that every day of the working week is covered. The frequency of sampling the carcasses in low throughput slaughterhouses and in slaughterhouses not working on a full-time basis should be determined by the OVS based on his judgement on hygiene standards with respect to the slaughter at each plant.

(b) A sample from four sites from each carcass should be taken half way through the slaughter day, after dressing and before chilling.

(c) Carcass identification, date and time of sampling should be recorded for each sample and the name of the person performing the sampling.

(d) The frequency of sampling may be reduced to fortnightly testing if satisfactory results are obtained on six consecutive weeks, but weekly sampling must be resumed if unsatisfactory results are obtained.

**Sampling sites**

2. (a) The following sites will usually be appropriate for process control:

Cattle: *neck, brisket, flank, and rump*

Sheep, goat: *flank, thorax lateral, brisket, and breast*

Pig: *back, jowl (or cheek), hind limb medial (ham), and belly*

Horse: *flank, brisket, back, and rump.*

(b) However, alternative sites may be used following consultation with the OVS, where it has been demonstrated that, because of the slaughter technology at a particular plant, other sites are more likely to carry higher levels of contamination. In these cases sites shown to carry higher levels of contamination may be chosen.

**Excision Sampling Method**

3. The following protocol should be followed at the slaughterhouse:

(a) Four tissue samples representing a total of 20 cm<sup>2</sup> should be obtained from each carcass.

(b) Pieces of tissue may be obtained using a sterile cork borer (2.5 cm diameter) or by cutting a slice of 5 cm<sup>2</sup> and maximum thickness of 5 mm off the carcass with a sterile instrument.

(c) Samples from the four sampling sites of each tested carcass may be analysed separately or may be pooled in the same container before examination. Where unacceptable results are obtained from pooled samples and corrective actions do not lead to better hygiene, further samples should not be pooled until problems have been resolved.

(d) The samples must be placed aseptically into a sample container or plastic dilution bag at the slaughterhouse, for transfer to the laboratory.

#### **Method for the examination of samples**

4. The following protocol should be followed in the laboratory:

(a) Samples should be stored refrigerated until examination at 4°C. Samples should be examined within 24 hours after sampling.

(b) Samples should be homogenised in a plastic dilution bag for at least two minutes in 100 ml of dilution media (see ISO 6887–1(a)) at about 250 cycles of a peristaltic Stomacher or homogenised by a rotary blender (homogeniser).

(c) Dilution before plating should be carried out in 10-fold steps in the dilution media.

(d) Analysis should be performed for total viable counts and Enterobacteriaceae. ISO methods should provide the basis for examination of samples.

#### **Records**

5. (a) All test results must be recorded in terms of colony forming units (cfu) per cm<sup>2</sup> of surface area. The daily log mean results for carcasses sampled on one day must be calculated and recorded.

(b) Records must include:

- (i) type, origin and identification of the sample, date and time of sampling, name of the person that performed the sampling,
- (ii) name and address of the laboratory which analysed the sample, date of investigation of samples in the laboratory and details of the method used including inoculation of different agars, incubation temperature, time, and results as number of cfu per plate used to calculate the result in cfu/cm<sup>2</sup> of surface area.

(c) A responsible person from the laboratory should sign the records.

(d) To permit evaluation, results must be shown on process control charts or tables, containing at least the last 13 weekly test results in order.

#### **Verification Criteria**

6. (a) Daily log mean results must be allocated into one of three categories for process control verification: “acceptable”, “marginal”, and “unacceptable” as set out in the table below, where ‘M’ and ‘m’ denote the upper limits for the marginal and acceptable categories, respectively, for samples taken according to the excision method.

(b) The test results should be categorised according to the respective microbiological criteria in the same order as the samples are collected.

(c) As each new test result is obtained, the verification criteria are applied anew to evaluate the status of process control with respect to microbiological contamination and hygiene.

(d) An unacceptable result or unsatisfactory marginal result trends should trigger action to review process controls, discover the cause if possible, and prevent recurrence.

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(a) The “ISO” is the International Organization for Standardization. All ISO standards say that copies of them, and any subsequent revisions thereto, can be obtained from the British Standards Institute ([www.bsi-global.com](http://www.bsi-global.com)).

Daily log mean values (cfu/cm <sup>2</sup> )	Acceptable range		Marginal range (> m but < M)	Unacceptable range (> M)
	Cattle/sheep/goat/horse	Pig:	Cattle/pig/sheep/goat/horse	Cattle/pig/sheep/goat/horse
<b>Total viable counts (TVC)</b>	< 3.5 log	< 4.0 log	3.5 log (pig: 4.0 log) -5.0 log	> 5.0 log
<b>Enterobacteriaceae</b>	< 1.5 log	< 2.0 log	1.5 log (pig: 2.0 log) -2.5 log (pig: 3.0 log)	> 2.5 log (pig: > 3.0 log)

#### Feedback to staff

7. (a) The results of the test must be fed back to the responsible staff as soon as possible.

(b) The results should be used to maintain and improve the standard of slaughter hygiene. Causes of poor results may be clarified by consultation with the slaughtering staff where the following factors could be involved: poor working procedures, absence or inadequacy of training and/or instructions, the use of unsuitable cleaning and/or disinfection materials and chemicals, inadequate maintenance of cleaning apparatus, and inadequate supervision.

#### Schedule 17B

Regulations 8(1)(e),  
20(1)(eB) and  
20(5)(a)(ii)

### NATIONAL PROCEDURES FOR CONDUCTING MICROBIOLOGICAL CHECKS ON CARCASSES

#### Sampling procedure and number of samples to be taken

1. (a) Between 5 and 10 carcasses should be sampled on a single day each week. The day of sampling should be changed each week to ensure that every day of the working week is covered. The frequency of testing the carcasses in low throughput slaughterhouses and for slaughterhouses not working on a full-time basis should be determined by the OVS based on his judgement on hygiene standards with respect to the slaughter at each plant.

(b) A sample from four sites from each carcass should be taken half way through the slaughter day, after dressing and before chilling.

(c) Carcass identification, date and time of sampling should be recorded for each sample and the name of the person performing the sampling.

(d) The frequency of sampling may be reduced to fortnightly testing if satisfactory results are obtained on six consecutive weeks, but weekly sampling must be resumed if unsatisfactory results are obtained.

#### Sampling sites

2. (a) The following sites will usually be appropriate for process control:

Cattle: *neck, brisket, flank, and rump*

Sheep, goat: *flank, thorax lateral, brisket, and breast*

Pig: *back, jowl (or cheek), hind limb medial (ham), and belly*

Horse: *flank, brisket, back, and rump.*

(b) However, alternative sites may be used, following consultation with the OVS, where it has been demonstrated that, because of the slaughter technology at a particular plant, other sites are more likely to carry higher levels of contamination. In these cases sites shown to carry higher levels of contamination may be chosen.

### **Wet & Dry Swabbing Method**

3. The following protocol should be followed at the slaughterhouse:

(a) Where swabs are moistened prior to collection of samples, a sterile peptone salt diluent (see ISO 6887-1) should be used.

(b) The sampling area for swabbing should cover 100 cm<sup>2</sup> for cattle and horses, 50 cm<sup>2</sup> for pigs, sheep and goats per sampling site. However, a smaller area may be tested, subject to the approval of the OVS on the basis of historical data, and a minimum area of 10 cm<sup>2</sup> per site.

(c) The swab should be moistened for at least 5 seconds in the diluent and rubbed initially vertically, then horizontally, then diagonally for not less than 20 seconds across the swab site. As much pressure as possible should be used. Repeat swabbing method using a dry swab at the same site.

(d) Samples from the four sampling sites of each tested carcass may be analysed separately or may be pooled in the same container before examination. Where unacceptable results are obtained with pooled samples and corrective actions do not lead to better hygiene, further samples should not be pooled until problems have been resolved.

(e) The samples must be placed aseptically into a sample container or plastic dilution bag at the slaughterhouse for transfer to the laboratory.

### **Method for the examination of samples**

4. The following protocol should be followed in the laboratory:

(a) Samples should be stored refrigerated until examination at 4°C. Samples should be examined within 24 hours after sampling.

(b) Samples should be homogenised in a plastic dilution bag for at least 2 minutes in 100 ml of dilution media (see ISO 6887-1) at about 250 cycles of a peristaltic Stomacher or homogenised by a rotary blender (homogeniser). Alternatively swab samples may be shaken vigorously in the dilution media.

(c) Dilution before plating should be carried out in 10-fold steps in the dilution media.

(d) Analysis should be performed for total viable counts and Enterobacteriaceae. ISO methods should provide the basis for examination of samples.

### **Records**

5. (a) All test results must be recorded in terms of colony forming units (cfu) per cm<sup>2</sup> of surface area. The daily log mean results for the carcasses sampled on one day must be calculated and recorded.

(b) Records must include:

(i) origin, type and identification of the sample, date and hour of sampling, name of the person that performed the sampling.

(ii) name and address of the laboratory which analysed the sample, date of investigation of samples in the laboratory and details of the method used including inoculation of different agars, incubation temperature, time, and results as number of cfu per plate used to calculate the result in cfu/cm<sup>2</sup> of surface area.

(c) A responsible person from the laboratory should sign the records.

(d) To permit evaluation, results must be shown on process control charts or tables, containing at least the last 13 weekly test results in order.

### **Verification Criteria**

6. (a) Daily log mean results must be allocated into one of three categories for process control verification: “acceptable”, “marginal”, and “unacceptable” as set out in the table

below, where 'M' and 'm' denote the upper limits for the marginal and acceptable categories, respectively, for samples taken according to the wet and dry swabbing method.

(b) The test results should be categorised according to the respective microbiological criteria in the same order as the samples are collected.

(c) As each new test result is obtained, the verification criteria are applied anew to evaluate the status of process control with respect to microbiological contamination and hygiene.

(d) An unacceptable result or unsatisfactory marginal result trends should trigger action to review process controls, discover the cause if possible, and prevent recurrence.

Daily log mean values (cfu/cm <sup>2</sup> )	Acceptable range		Marginal range (> m but < M)	Unacceptable range (> M)
	Cattle/sheep/goat/horse	Pig:	Cattle/pig/sheep/goat/horse	Cattle/pig/sheep/goat/horse
<b>Total viable counts (TVC)</b>	< 2.8 log	< 3.3 log	2.8 log (pig: 3.3 log) -4.3 log	> 4.3 log
<b>Enterobacteriaceae</b>	< 0.8 log	< 1.3 log	0.8 log (pig: 1.3 log) -1.8 log (pig: 2.3 log)	> 1.8 log (pig: > 2.3 log)

**Feedback to staff**

7. (a) The results of the test must be fed back to the responsible staff as soon as possible.

(b) The results should be used to maintain and improve the standard of slaughter hygiene. Causes of poor results may be clarified by consultation with the slaughtering staff where the following factors could be involved: poor working procedures, absence or inadequacy of training and/or instructions, the use of unsuitable cleaning and/or disinfection materials and chemicals, inadequate maintenance of cleaning apparatus, and inadequate supervision.

Schedule 17C

Regulations 8(1)(e),  
20(1)(eB) and  
20(5)(b) and (6)

COMMUNITY PROCEDURES FOR CONDUCTING MICROBIOLOGICAL CHECKS IN RELATION TO CLEANING AND DISINFECTION OF PREMISES

1. Microbiological sampling must take place before production starts, never during production. If visible dirt is present cleaning should be judged as unacceptable without any further microbiological evaluation.

**Sampling Sites**

2. (a) To ensure that all surfaces are tested in the course of a month a schedule should be made indicating which surfaces should be sampled on which days.

(b) Surfaces to be tested must be cleaned and disinfected, dry, flat, sufficiently large and smooth.

(c) Three samples should be taken from large objects. Places that should receive most attention are the areas that may come into contact with the product. Approximately two thirds of the total number of samples should be taken from food contact surfaces.

(d) The following points should, for example, be chosen as sampling sites: knives (junction of blade and handle), hollow blood draining knives, elastrators, bung bagging machines, scraping/gambrelling table (pig), sawblades and cutters, cattle dehidng, other



carcase dressing instruments, polishing machine, shackles and containers for transport, transport conveyor belts, aprons, cutting tables, flap doors, chutes for food organs, etc.

### **Frequency**

3. (a) A minimum of 10 samples (or up to 30 samples in a large production area) should be carried out within a period of two weeks.

(b) If the results are satisfactory over a period of time the frequency of sampling may be reduced following the agreement of the OVS, but fortnightly sampling must be resumed if unsatisfactory results are obtained.

### **Sampling Method**

4. Either the Agar contact plate method or the swab technique may be used. In addition to the given descriptions, ISO methods may be used.

#### **(a) Agar Contact Plate Method**

- (i) Small plastic dishes with lids (i.e. internal diameter 5 cm) filled with plate count agar (according to ISO, latest version) and dishes filled with violet red bile glucose agar (VRBG agar according to ISO, latest version) are pressed onto each sampling site and subsequently incubated. The contact surface of each plate is 20 cm<sup>2</sup>.
- (ii) Shortly before preparation of the plates, the relevant agar has to be melted to 100°C and cooled to 46 to 48°C. The plates have to be placed in a laminar air flow cabin and should be filled with agar until a convex surface is obtained. The prepared plates should be dried before use by incubating them upside down overnight at 37°C. This is also a useful check for possible contamination during preparation; plates with visible colonies must be discarded. After preparation the agar has a shelf life of approximately three months when kept at 2 to 4°C in closed bottles.
- (iii) The used contact plates do not need to be cooled during transport and before incubation. The plates have a shelf life of one week at 2 to 4°C, when sealed into plastic bags.

#### **(b) Swab Technique**

- (i) Samples should be collected with cotton swabs moistened with 1 ml of 0.1% NaCl peptone solution (8.5 g NaCl, 1 g trypton casein-pepton, 0.1% agar, and 100 ml distilled water) from a surface area of preferably 20 cm<sup>2</sup>.
- (ii) If sampling is performed following cleaning and disinfection an amount of 30 g/litre Tween 80 and 3 g/litre Lecithin (or other products with a similar effect) should be added to the moistening solution for swabs.
- (iii) The sampled surface must be swabbed 10 times from top to bottom applying a firm pressure on the surface.
- (iv) Swabs should be collected in a bottle containing 40 ml buffered peptone with 0.1% agar saline solution, then cooled and stored at 4°C until further processing.
- (v) The bottle should be shaken vigorously before diluting in 10-fold steps in 40 ml 0.1% NaCl peptone solution followed by microbiological examination (e.g. drop-plating technique).

### **Method for the examination of samples**

5. (a) Analysis must be performed for total viable counts (TVC). Inoculated plate count agar plates and agar contact plates must be incubated for 24 hours at 37°C ± 1°C under aerobic conditions. This procedure must take place within two hours of sampling, unless this is impracticable, in which case it must take place as soon as is practicable after the end of that two-hour period. The number of bacterial colonies should be counted and recorded.

(b) Analysis for Enterobacteriaceae is voluntary unless required by the OVS. For quantitative estimation of Enterobacteriaceae VRBG agar must be used. Incubation of inoculated plates and agar contact plates must begin within two hours of sampling, unless this is impracticable, in which case it must take place as soon as is practicable after the end of that two-hour period. After 24 hours incubation at  $37^{\circ}\text{C} \pm 1^{\circ}\text{C}$  under aerobic conditions, the plates must be examined for Enterobacteriaceae growth.

### Records and Results

6. (a) The bacterial counts must be reported according to the number of organisms per  $\text{cm}^2$  of surface area.

(b) Records must include:

- (i) identification of the sample, date and time of sampling, name of the person that performed the sampling,
- (ii) name and address of the laboratory which analysed the sample, date of investigation of samples in the laboratory, details of the method used and results.

(c) A responsible person from the laboratory should sign the records.

(d) Results have to be entered on a registration form and allocated into one of two categories established for the purpose of process control verification of cleaning and disinfection: “acceptable” and “unacceptable”. The acceptable range for the number of colonies of TVC or Enterobacteriaceae are shown in the table below.

### Values for the number of colonies for testing of surfaces

	Acceptable range	Unacceptable range
<b>Total viable counts (TVC)</b>	0–10/ $\text{cm}^2$	> 10/ $\text{cm}^2$
<b>Enterobacteriaceae</b>	0–1/ $\text{cm}^2$	> 1/ $\text{cm}^2$

### Feedback to staff

7. (a) The results of the test have to be reported to the responsible staff as soon as possible.

(b) The results should be used to maintain and improve the standard of cleaning and disinfection. Causes of unsatisfactory results should be clarified by consultation with the cleaning staff. The following factors may be involved: absence or inadequacy of training and/or instructions, the use of unsuitable cleaning and/or disinfection materials and chemicals, inadequate maintenance of cleaning apparatus, and inadequate supervision.”.

### Amendments to the Poultry Meat, Farmed Game Bird Meat and Rabbit Meat (Hygiene and Inspection) Regulations 1995

4.—(1) In so far as they extend to England, the Poultry Meat Regulations are amended in accordance with the following paragraphs of this regulation.

(2) The following sub-paragraph is inserted between sub-paragraphs (aA) and (b) of paragraph (1) of regulation 8 (supervision of premises)—

“(aB) the inspection of any documents and records required to be retained by the occupier pursuant to regulation 18(1)(f);”.

(3) In sub-paragraph (d) of paragraph (1) of regulation 18 (duties of occupier)—

- (a) the words “conduct regular” are substituted for the words “carry out”; and
- (b) the word “and” at the end is revoked.

(4) The following text is substituted for paragraph (1)(e)(iv) of regulation 18—

“(iv) in the event of a serious health risk, the withdrawal of fresh meat which has been obtained under or stored in similar conditions (as the case may be) and is likely to present the same risk; and

(f) retain for a period of at least 2 years any documents and records established by him in accordance with paragraph (4)(g) below.”.

(5) The following paragraph is added after paragraph (3) of regulation 18—

“(4) The occupier of any licensed slaughterhouse used for slaughtering poultry, licensed cutting premises used for cutting up fresh poultry meat, licensed cold store used for the storage of fresh poultry meat or licensed re-wrapping centre used for packing, wrapping or re-wrapping fresh poultry meat shall conduct the regular checks on the general hygiene of conditions of production in those premises which are required by paragraph (1)(d) above by implementing and maintaining a permanent procedure developed in accordance with the following principles—

- (a) identify any hazards that must be prevented, eliminated or reduced to acceptable levels;
- (b) identify the critical control points at the step or steps at which control is essential to prevent or eliminate a hazard or reduce it to acceptable levels;
- (c) establish critical limits at critical control points which separate acceptability from unacceptability for the prevention, elimination or reduction of identified hazards;
- (d) establish and implement effective monitoring procedures at critical control points;
- (e) establish corrective actions when monitoring indicates that a critical control point is not under control;
- (f) establish procedures to verify whether the measures outlined in sub-paragraphs (a) to (e) above are working effectively; verification procedures shall be carried out regularly; and
- (g) establish documents and records commensurate to the nature and size of the business to demonstrate the effective application of the measures outlined in sub-paragraphs (a) to (f) above and to facilitate official controls.”.

#### **Consequential amendments**

**5.** In so far as the Products of Animal Origin (Import and Export) Regulations 1996 extend to England—

- (a) paragraph 6 of Schedule 2 to those Regulations (Regulations relevant to intra-Community trade) is amended by substituting the following references for the phrase “The Meat (Disease Control) (England) Regulations 2000;”:

“S.I. 2000/2215;

S.I. 2001/1512;

S.I. 2001/1739;

S.I. 2001/1771;

S.I. 2001/2601;

S.I. 2001/3451;

S.I. 2002/118;

The Meat (Hazard Analysis and Critical Control Point) (England) Regulations 2002;”;

- (b) paragraph 7 of that Schedule is amended by substituting the following references for the phrase “The Poultry Meat, Farmed Game Bird Meat and Rabbit Meat (Hygiene and Inspection) (Amendment) (England) Regulations 2001”—

“S.I. 2001/3399;

The Meat (Hazard Analysis and Critical Control Point) (England) Regulations 2002;”.

Signed by authority of the Secretary of State for Health

16th May 2002

*Yvette Cooper*  
Parliamentary Under Secretary of State,  
Department of Health

## EXPLANATORY NOTE

*(This note is not part of the Regulations)*

**1.** These Regulations amend—

- (a) the Fresh Meat (Hygiene and Inspection) Regulations 1995 (S.I. 1995/539, as already amended); and
- (b) the Poultry Meat, Farmed Game Bird Meat and Rabbit Meat (Hygiene and Inspection) Regulations 1995 (S.I. 1995/540, as already amended),

in each case in so far as they extend to England. Both S.I. 1995/539 and S.I. 1995/540 extend to the whole of Great Britain. S.I. 1995/539 is amended by regulation 3 of these Regulations and S.I. 1995/540 is amended by regulation 4 of these Regulations.

**2.** These Regulations give effect in England to Commission Decision 2001/471/EC laying down rules for the regular checks on the general hygiene carried out by the operators in establishments according to Directive 64/433/EEC on health conditions for the production and marketing of fresh meat and Directive 71/118/EEC on health problems affecting the production and placing on the market of fresh poultry meat (OJ No. L165, 21.6.2001, p. 48). They come into force on 7th June 2002, except in relation to “small meat establishments”—defined in regulation 2(3)—in which case they come into force on 7th June 2003.

**3.** The effect of the amendments made to the Fresh Meat (Hygiene and Inspection) Regulations 1995 is that—

- (a) the occupier of any slaughterhouse, cutting premises, cold store or repackaging centre licensed under those Regulations is obliged to conduct the regular checks on the general hygiene of conditions of production in those premises which are already required by regulation 20(1)(d) of those Regulations by implementing and maintaining a permanent procedure developed in accordance with certain HACCP (Hazard Analysis and Critical Control Point) principles;
- (b) the occupier of a slaughterhouse licensed under those Regulations is obliged, in conducting the regular checks on the general hygiene of conditions of production in those premises which are referred to above, to carry out microbiological checks in relation to carcasses and cleaning and disinfection of the premises; and
- (c) the occupier of cutting premises licensed under those Regulations is obliged, in conducting the regular checks on the general hygiene of conditions of production in those premises which are referred to above, to carry out microbiological checks in relation to cleaning and disinfection of the premises.

**4.** The effect of the amendments made to the Poultry Meat, Farmed Game Bird Meat and Rabbit Meat (Hygiene and Inspection) Regulations 1995 is that the occupier of any slaughterhouse used for slaughtering poultry, cutting premises used for cutting up fresh poultry meat, cold store used for the storage of fresh poultry meat or re-wrapping centre used for packing, wrapping or re-wrapping fresh poultry meat (in each case licensed under those Regulations) is obliged to conduct the regular checks on the general hygiene of conditions of production in those premises which are already required by regulation 18(1)(d) of those Regulations by implementing and maintaining a permanent procedure developed in accordance with certain HACCP principles.

**5.** Regulation 5 (made under section 2(2) of the European Communities Act 1972) makes a number of consequential amendments to the Products of Animal Origin (Import and Export) Regulations 1996 (S.I. 1996/3124, as already amended) in so far as they extend to England.

**6.** A regulatory impact assessment, which includes a compliance cost assessment of the effect that they are likely to have on business costs, has been prepared for these Regulations and has been placed in the library of each House of Parliament. Copies can be obtained from the Meat Science and Strategy Division of the Food Standards Agency, Aviation House, 125 Kingsway, London WC2B 6NH.







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