The Infection Prevention Team working for you
CHLORINE DISINFECTION
Overview
Environment:
Chlor-Clean & Chlor-Clean Wipes.
Haz-Tab, Mini Haz-Tab, Haz-Tab Granules
and Hazard Scoops.
Food & Water:
Foodsaft, Oasis.

NON-CHLORINE DECONTAMINATION
Quaternary:
NQ64 solution, NQ65 Wipes.
Alcohol:
Alcohol Surface Wipes.

SPILL KITS
Blood, Urine & Vomit:
Guest Biohazard Spill Kits, Spill-Paks and
Biohazard Wipe-Paks.
Urine & Vomit Spill Kits, Spill-Paks and NBS & Blood
Sciences Lab Kit.
Chemical:
Multi-use Chemical Spill Kit, Small Chemical Spill Pak,
Formalin/Adehyde Spill-Pak.
Mercury Spills, Cytotoxic Drugs/Chemicals,
Sharps Removal Kit.

HAND DECONTAMINATION
Hand Soap:
Mild & Gentle liquid hand soap in various
convenient dispensers.
Hand Hygiene:
Practice Hand Hygiene Pack, Community Nurse
Hand Hygiene Pack.
Alcohol Hand Rub – wall dispensers, desk dispensers,
tottles and bottles.

PHLEBOTOMY PRODUCTS
Labmobile trolleys, Tourniquets, Phlebotomy Biohazard Wipe-Pak.

LABORATORY PRODUCTS
Autoclavable Disposal Bags, Aquasan, FCD Kit, Lab Timer.
ESR Systems: Dispette 2, ESR Stand.

PRODUCT TRAINING
Our qualified training personnel will assist you with teaching your staff in the correct and safe use of our products.

Training programmes vary according to need and circumstances and are customised to suit individual requirements. The precise use and application of individual products (including when not to use them) will be agreed with your Infection Prevention Team prior to commencement of the training programme. We will also offer assistance with auditing the use of our products to assess the effectiveness of the training and identify when update training may be required.

Guest Medical is committed to supporting improvement in infection prevention education throughout healthcare facilities in the UK and we will be pleased to offer assistance with Study Days, Link Nurse Meetings, etc.

POSTERS
We will design and print wall posters to be used as reminders to ward personnel in the correct use of our products. These, again, will be customised to conform to your own Trust Policy.

TRAINING ACCESSORIES
We also offer PowerPoint presentations, CD and information packs for update or induction training sessions.

New Training Videos are now available for our Spillage Kits and Paks.
The overall effectiveness of chlorine against bacteria, spore bearing organisms and viruses is well proven as shown by the brief bibliography below. The use of chlorine for blood and body fluid spills was first recommended by the Advisory Committee on Dangerous Pathogens. This was echoed in 1993 by the P.H.L.S. (now P.H.E.) and in 1998 the Department of Health also recommended chlorine in the form of Sodium dichloroisocyanurate (NaDCC) granules for blood spillage disinfection in their publication, ‘Guidance for Clinical Health Care Workers.’ In their current Guidance on Biosafety, the Health & Safety Executive also recommend the use of NaDCC granules on spills of blood and body fluids.

Disadvantages of the Hypochlorites

Until the early eighties the hypochlorites were considered to be the most useful of the chlorine disinfectants being rapid in action and cheap. However, for hospital use, Sodium hypochlorite solutions (e.g. Industrial or domestic bleach) suffer from the serious disadvantage of instability making it impossible for ward staff to accurately dilute to the correct strength. Additionally their bulk creates transport and storage difficulties.

Most importantly, Sodium hypochlorite solutions are inactivated by organic matter; that is, the blood and body fluids that ward staff most need to disinfect properly.

An improved chlorine donor, NaDCC, has been proven to be more efficient and effective:

Effectiveness of NaDCC

Trooclosene sodium (NaDCC; previously known as Sodium dichloroisocyanurate) has two major advantages over hypochlorite. First, tablets and granules are stable, with a shelf life measured in years. Secondly, NaDCC has been proven to kill micro-organisms more efficiently than hypochlorite in the presence of organic matter.

These advantages benefit Infection Prevention personnel in several ways:

1. It is simpler for health care workers to make up accurate strength solutions using tablets, thus reducing waste, whilst improving efficiency and compliance.
2. Storage space and transport costs are greatly reduced and safety is increased.
3. Where organic matter is present, e.g. blood and blood stained body fluids, the proven efficiency of NaDCC offers a broader margin of safety for both patients and staff.

New Technology

In 1993 Guest Medical made a significant stride forward in hospital disinfection technology by introducing the first combined NaDCC plus surfactant product to the NHS. Chlor-Clean made a considerable difference in reducing by two thirds the time taken to perform general environmental disinfection. As HAI and norovirus outbreaks escalated during the nineties, so Chlor-Clean demonstrated its practical effectiveness and increased in popularity among hospital personnel. The sharp rise in MRSA followed by C. difficile outbreaks in the early part of the new millennium cemented the role of Chlor-Clean in the forefront of environmental decontamination.

2011 heralded yet another innovation for Guest Medical: Following several years of careful research and development we produced a Chlor-Clean wipe that offers even more flexibility and usefulness for nursing staff. For details please see page 5.

REFERENCES:
8. Wilcox et al., Efficacy of Hospital Cleaning Agents and Germicides Against Epidemic Clostridium difficile strains. Infection Control and Hospital Epidemiology, 2007 (Aug), 28, 920 – 925

Short Bibliography

Some of the published references to the effectiveness of chlorine against representative micro-organisms.

**BACTERIA**

Escherichia coli | Bloomfield & Miles 1979: Microbios letters 10, 33 – 43
Klebsiella aerogenes | Bloomfield & Miles 1979: J. Applied Bacteriology, 46, 65 – 73
Staphylococcus aureus | Coates, D. 1985, J. Hosp. Infection, 6, 31 - 40
Salmonella typhi | Bloomfield and Miles, 1979, J. Applied Bacteriology, 46, 65 - 73

**FUNGI**

Aspergillus niger | Dychdala, 2001 – Block, S.S. Disinfection Sterilisation and Preservation, 5th Ed. 143
Candida albicans | Bloomfield and Miles, 1979, J. Applied Bacteriology, 46, 65 - 73

**VIRUSES**

Adenovirus 3 | Clarke et al., 1956, Am. Journal of Medicine, 21, 364 - 371
HIV | Bloomfield et al., 1990, J. Hosp Infection, 10, 273 - 278
Hepatitis B virus | Bond et al., 1983, J. Clinical Microbiology, 19, 535 - 538
Poliovirus (Sabin) | Tyler et al., 1990, J. Hosp Infection, 15, 339 - 345
Polioirus Type 1 | Narang and Codd, 1983, J. Hosp. Infection, 4, 209 - 212
VHF (e.g. Lassa, Ebola & Marburg) | Advisory Committee on Dangerous Pathogens 1996, Management and Control of Viral Haemorrhagic FEVER, London: HMSO

Environmental Disinfection: Chlorine
Environmental Disinfection: Chlor-Clean

The use of chlorine-containing cleaning agents is recommended by the Department of Health and the Health Protection Agency (now PHE) for environmental disinfection where patients infected with Clostridium difficile are present. Further, the epic2 guidelines also recommend the use of chlorine producing agents with detergent during outbreaks of infection where the pathogen concerned survives in the environment.

Unfortunately it is not always recognised that most detergents prevent chlorine killing micro-organisms, hence the chlorine and detergent cannot be mixed together. When used separately, the detergent residues must be washed off surfaces with clean fresh water before using the chlorine, creating a three-stage process. This is rarely done properly in the health care setting today due to time and cost pressures.

One-Stage Cleaning and Disinfection:
Chlor-Clean was developed to solve this problem: By creating a new surfactant (detergent-like cleaning agent) that will work with the chlorine, we have produced a tablet that, when dissolved, will produce a solution that cleans and disinfects at the same time – a one-stage process. This reduces the cleaning/disinfection time and improves the efficiency of the disinfection.

Chlor-Clean tablets incorporate Troclosene sodium (NaDCC), the chemical previously known as Sodium dichloroisocyanurate shown by Wilcox et.al. (2007) to be more effective against Clostridium difficile spores than hypochlorite.

The Chlor-Clean solution produces 1,000 ppm available chlorine, as recommended by the DoH and PHE. It is now established as the product of choice in many UK hospitals for Terminal Cleaning, Isolation Cleaning and Outbreak Cleaning. It has been shown to be an invaluable aid during outbreaks of hospital infection including those caused by norovirus and Clostridium difficile.

Proven effective to BS EN Standards by Independent Testing
Tests using the BS EN 1276 Standard (bactericidal) have shown Chlor-Clean solutions to be effective against the representative organisms: E. Coli, Pseudomonas, Klebsiella, Staphylococcus (M.R.S.A.), Enterococcus, Acinetobacter and Clostridium difficile. Further, using BS EN 1275 we have demonstrated yeasticidal effectivenes using Candida albicans and Aspergillus niger.

Testing has also shown Chlor-Clean to exceed the requirements of BS EN 13704 (sporicidal) Standard against Clostridium difficile spores.

NEW – BS EN 16615:2015 and BS EN 14476:2015
More recently Chlor-Clean has passed the BS EN 16616:2015 (dirty conditions) Standard requirements for bacteria and yeasts. This new surface test used on wipes for the ‘medical area’ includes a very high organic challenge and is therefore most suitable for the applications where Chlor-Clean is most commonly used.

In addition, Chlor-Clean has been shown to pass the BS EN 14476 (virucidal) Standard covering non-enveloped and enveloped virus types as well as murine norovirus.

For full testing data please contact our offices.

Please see the top of the next page for ordering information.
Chlor-Clean tablets are available directly from Guest Medical or via NHS Supply Chain

Chlor-Clean is available in tubs of 100 tablets packed 6 tubs to a case: Order Code: H8950/N
or tubs of 200 tablets packed 6 tubs to a case: Order Code: H8950/E
2 Litre Chlor-Clean Diluter for mixing & ensuring staff obtain the correct strength solution: Order Code: H8804
1 Litre Chlor-Clean Diluter for use as above: Order Code: H8802
5 Litre Chlor-Clean Diluter for use as above: Order Code: H8903

NHS Supply Chain codes:
Chlor-Clean Tablets (100’s): Order Code: MRB 285
Chlor-Clean Tablets (200’s): Order Code: MRB 751
Chlor-Clean 2 Litre Diluter: Order Code: MRB 278

Note:
For blood or blood-stained body fluid spills, The Department of Health and the Health & Safety Executive recommend the use of 10,000 ppm available chlorine. In such cases it is more efficient to use Haz-Tab Granules, Haz-Tab Tablets or the Chlor-Clean Wipes shown below.

REFERENCES:
1. *Clostridium difficile* infection: How to deal with the problem. DoH & HPA, January 2009 available from DoH publications, or take the link from the Guest Medical website - www.guestmedical.com
2. epic2: National Evidence-Based Guidelines for Preventing Healthcare-Associated Infections in NHS Hospitals in England. 2007: Journal of Hospital Infection 65S, S1 - S64
3. Wilcox et. al., Efficacy of Hospital Cleaning Agents and Germicides Against Epidemic *Clostridium difficile* Strains. Infection Control and Hospital Epidemiology, 2007(Aug), 28, 920 - 925
4,5,6,7 & 8 Copies of the testing data are available from our offices.

Chlor-Clean Wipes
*The response to many requests!*

Since the successful introduction of Chlor-Clean tablets, our customers have been asking for the advantages of the Chlor-Clean solution in a convenient wipe format. Unfortunately, due to the instability of the liquid chlorine/surfactant formulation it has not been possible to produce a ‘wet’ Chlor-Clean wipe; however by incorporating new technology into the established formula we have developed a dry Chlor-Clean wipe that has additional benefits for the modern health care establishment.

Dual Use
Chlor-Clean wipes can be used both for blood & blood-stained body fluid spills as well as general environmental disinfection. Placing the dry wipe directly onto a spill (up to 35ml) will both absorb the moisture and disinfect with 10,000 ppm strength available chlorine. This makes Chlor-Clean wipes the first wipe product to comply with DoH and HSE guidance for dealing with blood and blood-stained body fluid spills and will be of particular help to busy ward staff for dealing with small spills as well as any minor accidents.

For general environmental disinfection, especially commodes and other items of patient associated equipment, the wipe can be moistened, any excess liquid squeezed out and then used in the same manner as a Chlor-Clean solution on a cloth, to clean and disinfect surfaces.

Independently Tested and Proven to Conform to BS EN Standards.
Chlor-Clean Wipes have been extensively tested by an independent UKAS accredited laboratory to ensure a rapid kill of bacteria, pathogenic yeasts, *Clostridium difficile* spores and viruses. Standard tests passed include BS EN16615:2015 and BS EN 13704. Copies of all testing reports may be obtained from our offices.

Chlor-Clean Wipes
25 wipes to a re-sealable pouch in cartons of 6 pouches Order code: H9730

REFERENCES:
Chlorine is the chemical recommended by the Department of Health and the Health & Safety Executive for the safe disinfection of blood and blood-stained body fluid spills and for general environmental disinfection.\textsuperscript{1,2}

However, hypochlorite solutions are unstable,\textsuperscript{3} bulky to store, may be hazardous\textsuperscript{4} and are readily inactivated by organic matter such as blood.\textsuperscript{5,6}

By contrast chlorine tablets made with NaDCC are stable, compact and the solutions made up from them are more effective in the presence of organic matter.\textsuperscript{6} Most importantly they provide a simple and easy to use method for hospital staff to make up chlorine solutions for effective disinfection in wards, theatres and clinics.

**Chlorine Disinfection Solutions**

Guest Medical Haz-Tabs are formulated using NaDCC (Troclosene sodium), and when used with the appropriate diluter provide a safe, efficient and simple method to make up a correct strength chlorine solution for effective environmental disinfection.Simple to follow instructions for use are printed on the tablet containers and the diluters. More detailed instructions for use are available in poster format.

Testing by an independent UKAS accredited Laboratory has shown that Haz-Tab solutions at 1,000 ppm pass the BS EN Standard 14476:2013 + A1:2015 (virucidal) in 5 minutes under dirty conditions. At 5,000 ppm the solution passes the BS EN 14348 (tuberculocidal) standard in 5 minutes under dirty conditions.

### Haz-Tabs 4.5g

**NaDCC non-effervescant tablet**

- 4 tablets to a litre of water gives a 10,000 ppm available chlorine solution
- Cost effective disinfection
- Quick and easy to use
- Well established NaDCC chlorine donor
- Pre-printed diluters ensure correct dilution strength

| 4.5g Haz-Tabs in tubs of 100 tablets packed 12 tubs to a case: | Order Code: H8801 | Order Code: MRB 284 |
| Diluters for 4.5g Haz-Tabs for mixing & ensuring staff obtain the correct strength solution |
| 2.5 litre diluter to make up 1,000 ppm available chlorine solution | Order Code: H8805 |
| 1.0 litre diluter to make up 10,000 ppm available chlorine solution | Order Code: H8806 |
| 5.0 litre diluter to make up 10,000 ppm available chlorine solution | Order Code: H8808 |
| 1L diluter also available via NHS Supply Chain | Order Code: H8814 |
| 2.5L diluter also available via NHS Supply Chain | Order Code: MRB 288 |

### Haz-Tabs 2.5g NaDCC Effervescent Tablet

- 7 tablets to a litre of water gives a 10,000 ppm available chlorine solution
- Effervescent formulation
- Freely soluble tablet
- Competitively priced
- Simple and precise dilution procedure

| 2.5g Haz-Tabs in tubs of 100 tablets packed 6 tubs to a case: | Order Code: H8811 | Order Code: MRB 750 |
| Also available via NHS Supply Chain |
| Diluter for 2.5g Haz-Tabs | Order Code: H8814 |

### Haz-Tabs 1.8g NaDCC Effervescent Tablet

- 10 tablets to a litre of water gives a 10,000 ppm available chlorine solution
- Effervescent formulation
- Freely soluble tablet
- Competitively priced
- Simple and precise dilution procedure

| 1.8g Haz-Tabs in tubs of 200 tablets packed 6 tubs to a case: | Order Code: H8818 | Order Code: MRB 749 |
| Also available via NHS Supply Chain |
| Diluter for 1.8g Haz-Tabs | Order Code: H8817 |
**Mini Haz-Tabs** 0.5g (500mg)

*For the ‘sterilisation’ of baby feeding bottles, teats and equipment*

Mini Haz-Tabs are formulated using NaDCC, the reliable chlorine donor that has been proven in hospital use and laboratory tests to be effective against viruses, fungi and bacteria. They therefore provide a safe and efficient method for the disinfection of baby feeding bottles, teats and breastfeeding equipment.1

The recommended strength of chlorine solution for baby feeding bottles and other equipment is 125 ppm available chlorine.1–4 This is simply made up by dissolving 1 Mini Haz-Tab in 2 litres of water.

Items to be disinfected should first be carefully washed with soap and warm water, and a brush used to remove any dried milk from the screw thread and bottle shoulder. The items must then be thoroughly rinsed in clean water and then completely immersed in the Mini Haz-Tab solution, ensuring all air bubbles are expelled, for at least one hour.

Mini Haz-Tabs are packed in tubs of 500 tablets, 6 tubs to a case

Also available via NHS Supply Chain

Order Code: H8875

Order code: MRB 280

Order Code: H8875/80

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**Haz-Tab Granules**

*For the Effective Disinfection and Disposal of Blood and Blood-Stained Body Fluid Spills.*

The most effective way to deal with a body fluid spill is to absorb it,5–7 however to make the spill safe as well Haz-Tab granules combine a powerful disinfectant (NaDCC) with the absorbent to give maximum protection to the operative when removing a spill.

Traditionally, blood or blood-stained body fluid spills were treated with liquid hypochlorite and mopped up with paper towels. However, this only spreads the spill further and wet towels will drip when handled. This method is particularly dangerous if broken glass is present in the spill.

Further, hypochlorite is inactivated by organic material,5–6 hence it is less effective as a disinfectant for spills of body fluids.

Haz-Tab Granules will absorb the spill, (thus safely containing it) and at the same time release chlorine to disinfect it. They contain NaDCC (Troclosene sodium) a powerful chlorinating agent, which is a more efficient disinfectant of body fluids than hypochlorite,5–7 and has been proven effective against bacteria, fungi and viruses.

NaDCC granules are recommended by the Department of Health and the Health & Safety Executive for the disinfection of blood and blood-stained body fluid spills.1–6

**Haz-Tab Granules** packed in shakers of 500g

12 shakers to a case

Also available via NHS Supply Chain

Order Code: H8800

Order Code: MRB 279

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**Hazard Scoops**

Guest hazard scoops provide extra protection when using Haz-Tab Granules.

Designed to keep fingers safely clear of the spill material, Guest disposable scoops are particularly applicable when broken glass, needles or other ‘sharps’ are associated with the spill.

**Scoops and Scrapers** case of 50

Also available via NHS Supply Chain

Order Code: H8807

Order Code: MRB 937

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**REFERENCES:**


4. Department of Health Hazard Circular 1978


Chlorine Disinfection: **Food and Water products**

**Foodsaf**

For salad and vegetable washing and the disinfection of food preparation surfaces and equipment

Foodsaf tablets are made from NaDCC, the effective chlorine-producing chemical that is recommended by the Department of Health for environmental disinfection procedures in hospitals. (see page 4)

After washing to remove soil and any insects, all salad stuff, vegetables and non-peelable fruit should be properly disinfected in a 50 ppm available chlorine solution provided that the food is to be consumed within a short period.

For in-flight catering and the sandwich making industry where there is a lengthy time-lapse between preparation and consumption, 50 to 150 ppm available chlorine may be required.

Food preparation surfaces should be thoroughly disinfected with a minimum of 240 ppm available chlorine after washing with detergent and water and rinsing with clean water.

Foodsaf tablets may also be used to disinfect equipment, walls, tiles, floors, cups and cutlery as well as cloths and mops.

*Foodsaf 1g tablet: 56 tablet pack (7 foil wrapped strips of 8 tablets), 6 packs per carton*  
*Order Code: H8886*

*Foodsaf 3.25g tablet: 100 tablet tub, 6 tubs to a case*  
*Order Code: H8887*

**Oasis**

**Water purification tablets**

Where water purification is important, whether it be for your holiday or business trip abroad, camping, caravanning or for industrial use in water storage tanks, air conditioning units etc., there is an Oasis tablet available that will suit your particular needs.

Once again the basis of Oasis tablets is NaDCC, the chlorine-producing agent used by UK hospitals for effective environmental disinfection.

The 8.5mg tablet is available in handy sized foil wrapped strips. One tablet will safely disinfect one litre of water. Thus it is ideally suited to the traveller abroad fitting neatly into handbag, pocket or briefcase. Paying careful attention to the disinfection of water for drinking, teeth cleaning, cooking and ice making can prevent those uncomfortable illnesses that ruin holidays and seriously affect your business concentration.

The other tablets in the Oasis range will disinfect larger volumes of water for catering, water tanks and new pipe installations. Contact us for advice on the most suitable tablet for your own particular requirements.

*Oasis personal travel strips, packed in cartons of 960 tablets (96 strips of 10 tablets)*  
*Order Code: H8890*

*Oasis 1.08 g tablet, packed in cartons of 1,200 tablets (150 strips of 8 tablets)*  
*Order Code: H8891*

*Oasis 1000, packed in tubs of 200 x 3.25g tablets 6 tubs to a case*  
*Order Code: H8892*

*Oasis 3000, packed in tubs of 100 x 9.7g tablets 6 tubs to a case*  
*Order Code: H8893*
Further Disinfection products

NQ64
New Fourth-Generation Quaternary Disinfectant
NQ64 is designed for use in janitorial areas or where urine spills commonly occur. Its proven broad spectrum of activity against bacteria and many viruses provides disinfection levels not previously associated with quaternaries.

EPA registered for 51 species of bacteria, fungi and viruses
The NQ64 formulation is registered with the U.S. EPA (reg. no.47371 – 131) as proven effective against fifty-one species of bacteria, fungi and viruses in dirty conditions. Details of the organisms tested may be obtained from our offices.

Conforms to EN1276 Standard in dirty conditions
The NQ64 formulation also meets the EN1276 (1997) Standard, in dirty conditions, against Ps. aeruginosa, E. coli, S. aureus and Enterococcus hirae. (Independent study)

Classed as ‘not dangerous’
The NQ64 is classed as ‘Non-Dangerous’ according to ADR specifications. It will not bleach fabrics or soft furnishings.

Simple to use
The NQ64 pack consists of a long-life concentrate, which is measured into a diluter by means of a plunger dispenser. The diluter is then topped-up to a fill line with tap water and the solution is ready for use.

Full and easy to read graphic instructions are included in the pack.

NQ64 is supplied in packs of 3 x 5 litres concentrate, 1 diluter, 1 plunger dispenser and full instructions Order Code: H8710

NQ65 wipes
For Disinfection in the Home, Nursing Homes and Public Areas
These wipes incorporate a synergistic formulation of quaternary ammonium compound and biguanide disinfectants that has been proven by independent testing to be effective against H1N1a virus, MRSA and Clostridium difficile (vegetative form).

For swift and effective disinfection of work surfaces, equipment, plastics and other non-porous surfaces, NQ65 wipes are convenient and easy to use and may be considered safe for use in the home, in food areas, nurseries, retirement homes, schools, gymnasiums, etc.

The single tub contains 200 wipes, each measuring a generous 200 x 200 mm.

NQ65 Wipes, packed 6 tubs to a case Order code: H8712

70% alcohol surface wipes
Guest Medical alcohol surface wipes are manufactured using fabric impregnated with 70% ethanol. They provide rapid and effective disinfection of bacteria and viruses on equipment and other surfaces in clinical areas that may be damaged by water or where other chemical disinfectants may not be appropriate.

Guest 70% alcohol surface wipes in tubs are available in two convenient sizes:
The standard tub contains 200 sheets measuring 200 x 220 mm. The new handy size wipe tub contains 100 sheets measuring 180 x 130 mm. When used appropriately, alcohol surface wipes provide a convenient and useful method of disinfecting special surfaces that is both rapid in action and effective. Individually wrapped wipes are also available.

Standard Tub Alcohol Surface Wipes 200 sheet tubs packed 6 tubs to a case Order Code: H9721

New Handy Size Alcohol Surface Wipes 100 sheet tubs packed 12 tubs to a case Order Code: H9722

Individually Wrapped Wipes 270 x 210mm, 50 per carton Order Code: H9723
Biohazard Spills Kits

The Health & Safety at Work Act and COSHH Regulations require that biohazardous spills are made safe and removed quickly without risk to personnel.

Safety First

The safe collection and disposal of potentially hazardous spills is a matter of priority for Safety Officers and Occupational Health Personnel worldwide. Guest Spills Kits are custom-made to deal with spillages that may present a specific hazard and provide all the items needed to comply with regulations and guidance for their safe inactivation, collection and subsequent disposal.

Urine and Vomit Spills Kit – multi-use*

Unpleasant though they may be, spills of urine or vomit do not generally present the same high risk of viral infection as blood and some other body fluids. Further, adding chlorine products to urine can produce particularly unpleasant odours.

When used on vomit, chlorine based chemicals may give off a little extra chlorine gas. The Guest Urine & Vomit Spills Kit is more acceptable to healthcare personnel dealing with such spills because it is not chlorine based. The absorbent pads will quickly and effectively absorb the liquid, and can be transferred directly to the clinical waste bag with a minimum of fuss. The Alcohol Surface Wipes contained within the kit may then be used to disinfect the area affected by the spill.

This unique system makes dealing with urine or vomit spills a simple task that can be completed with a minimum of training or supervision.

Contents:
- 8 absorbent pads (each pad absorbs 400ml liquid depending on viscosity)
- 1 tub alcohol surface wipes for disinfecting the area after absorption
- 8 yellow clinical waste disposal bags
- 16 synthetic protective gloves**
- 8 disposable aprons
- Full instructions for use

Multi-use Urine & Vomit Spills Kit
Order Code: H8626

Single Use Urine & Vomit Spill-Pak*

The single use version of the Urine and Vomit Spills Kit is a handy-sized, easily transportable pack ideally suited to Schools, Colleges, Nurseries as well as Healthcare Facilities. It will safely and efficiently absorb up to 400ml of spill, yet takes up little space and is easy to carry.

Contents:
- 1 absorbent pad which absorbs up to 400ml liquid depending on viscosity
- 2 synthetic protective gloves**, an apron and disposal bag, alcohol surface wipe for disinfecting the area after absorption

Urine & Vomit single use Spill-Paks Case of 10
Order Code: H8734

Urine & Vomit single use Spill-Paks Case of 50
Order Code: H8735

Mixed Spill-Paks*

This case consists of 5 Biohazard Wipe-Paks (see page 11) and 5 Urine and Vomit Spill-Paks (see above) and will therefore deal with all minor biological spills that may occur in Clinics, Doctors’ surgeries, Schools, Colleges and other institutions. Simple instructions for use are readable on the outsides of each pack and the only thing for the user to remember is, “If you can see blood in the spill use the Biohazard Wipe-Pak, if you cannot see blood use the Urine and Vomit Spill-Pak”.

Mixed Spill-Paks: 5 Biohazard Wipe-Paks plus 5 Urine & Vomit Spill-Paks
Order Code: H8724

NBS and Blood Sciences Lab Spills Kit*

Guest Medical manufacture ‘special’ spills kits to meet the specific requirements of individual organisations, such as the National Blood Service and Blood Sciences Labs in Pathology Departments.

Chlorine reacts adversely with the anticoagulant used in donor blood, therefore we have designed a chlorine-free granular product to absorb such spills. The use of a non-chlorine based product on donor blood is acceptable because it has already been screened for virus contamination. However as a final safety precaution the kit contains Haz-Tab tablets and a diluter in order to make up a 10,000 ppm chlorine solution to disinfect the area of the spill after it has been absorbed and removed.

Contents:
- 1 shaker of Inert Granules
- 1 tub of 100 Haz-Tab Tablets
- 1 Haz-Tab Diluter
- 10 scoops and scrapers
- 10 paper towels
- 20 synthetic gloves**
- 3 aprons
- 10 dispo-bags
- An instruction card

NBS Spills Kit
Order Code: H86NBS

Replacement Granules

Replacement granules as used with the NBS kit are also available to purchase separately either as replacements or to be used as a ‘stand alone’ absorbent.

NBS Granules for the absorption of screened Donor Blood; case of 12
Order Code: H87NBS

Note: * These Kits/Paks must never be used for chemical spills.
** All protective gloves are manufactured to BS EN 455 Standard and are latex and powder free.
Safe Disposal of Blood and Blood-Stained Body Fluid Spills

The Department of Health Guidelines published in 1998 confirm the earlier recommendation of the Advisory Committee on Dangerous Pathogens that spills of high risk body fluids must be disinfected with chlorine at a strength of 10,000 ppm before disposal. They also recommend the use of NaDCC granules for this purpose (NaDCC was formally known as Sodium dichloroisocyanurate; now re-named by the EU as Troclosene sodium). In their current Guidance on Biosafety, the Health & Safety Executive also recommend the use of NaDCC granules on spills of blood and body fluids.1 Guest Biohazard Spills Kits are designed to meet these requirements and provide everything that is needed to safely absorb, disinfect and dispose of the spill in one container that can simply be carried to the site where it is needed. The inclusion of protective clothing and easy to follow instructions means that ward or departmental staff can safely carry out the procedure with a minimum of training.

Multi-Use Biohazard Spills Kits

Designed for areas where spills occur fairly often such as A & E, Surgical Wards, Pathology Reception Areas, etc., the standard kit contains 2 shakers of Haz-Tab Granules, 1 tub of 100 Haz-Tab Tablets, 1 Haz-Tab Diluter, 25 scoops & scrapers, 25 paper towels, 100 synthetic protective gloves**, 6 aprons, 25 disposal bags & an instruction card.

For those areas where spills happen less frequently the Midi-size Kit may be more appropriate, the contents include: 1 shaker of Haz-Tab Granules, 1 tub of 100 Haz-Tab Tablets, 1 Haz-Tab diluter, 10 scoops & scrapers, 10 paper towels, 20 synthetic protective gloves**, 3 aprons, 10 disposal bags and an instruction card.

<table>
<thead>
<tr>
<th>Standard size Biohazard Spills Kit</th>
<th>Order Code: H8616</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midi-size Biohazard Spills Kit</td>
<td>Order Code: H8615</td>
</tr>
</tbody>
</table>

PLEASE NOTE: the Haz-Tab Granules and Tablets (4.5g) present in these kits may be purchased separately to replace those that have been used up. See pages 6 and 7.

Single Use Biohazard Spill-Paks

Used in much the same way as the larger Biohazard Spill Kits, the single use ‘Spill-Pak’ is applicable in many areas where small spills (30ml or less) may be expected. The Haz-Tab Granules are poured onto the spill and their empty container is then used as a diluter vessel for the tablets to make up a solution of 10,000 ppm available chlorine.

Contents: 100 ml container of Haz-Tab Granules, 4 x 0.5g Haz-Tab Tablets, a pair of synthetic protective gloves**, an apron, scoop and scraper, paper towels and a disposal bag. Instructions are printed on the outside of the pak, so as to be readable before opening.

| Biohazard Spill-Pak, box of 10 | Order Code: H8617 |
| Biohazard Spill-Pak, box of 50 | Order Code: H8618 |

NEW – Biohazard Wipe-Pak

This single use Pak is based on the Chlor-Clean Wipes, which are now proving very popular among Health Care Workers. Each Pak contains three dry wipes, two of which will absorb up to 60ml of fluid and disinfect it with 10,000 ppm available chlorine. The third can be moistened and used to remove any smears and finally clean and disinfect surfaces. After use the wipes will be discarded into the Clinical Waste Stream.

This Pak is the most simple and efficient system yet devised for dealing safely with biohazardous spills such as blood or blood-stained body fluids in accordance with Department of Health and Health & Safety Executive guidance.1 & 2

Contents: Three dry chlorine wipes, protective nitrile gloves**, an apron and a disposal bag together with full instructions for use that can be read without opening the pack.

| Biohazard Wipe-Pak, box of 10 | Order Code: H8619 |
| Biohazard Wipe-Pak, box of 50 | Order Code: H8620 |
| Wall Mountable Carry Case + 6 Paks | Order Code: H8725 |

NOTE: Guest Biohazard Spills Kits, Spill-Paks and Biohazard Wipe-Paks must never be used on chemical spills. For details of our Cytotoxic Drugs, Mercury, and Chemical Spills Kits please see pages 12 - 13.

REFERENCES:
1 & 2 See the bottom of page 7 of this brochure
Chemical & other Specialised Spill Kits

Cytotoxic Drugs Spill-Pak*

Spills of cytotoxic drugs present special problems on Wards, in Oncology Departments or in the Pharmacy during preparation. However these problems can be overcome simply and safely by using the Guest Cytotoxic Drugs Spill-Pak.

The absorbent pad will quickly and efficiently absorb up to 150ml of liquid, thus containing the spill and preventing it spreading further. It only remains to place the pad containing the spilt matter into the discard bag and dispose according to local procedure or regulations. The detergent wipe can be used to clean the area afterwards if necessary.

Each Pak contains: one absorbent pad, 1 detergent surface wipe, 1 purple discard bag, 1 anti-splash face mask, 1 protective apron, 2 nitrile protective gloves** and full instructions.

Cytotoxic Drugs Spill-Paks 5 per case Order Code: H9611

Mercury Spills Kit*

This simple but effective kit enables staff to deal safely and easily with mercury spills with a minimum amount of training required. The kit contains everything that will be needed with the exception of a mercury vapour protection respirator (as recommended in the HSC procedure).

The kit consists of two disposal units, each containing a mercury aspirator (syringe), scrapers, amalgamating powder, collection sponges, protective aprons and protective nitrile gloves**.

Additionally the kit contains re-usable items such as the Mercury Spill Warning Card, dampening bottle, warning tape and full instructions for use.

Everything that is used goes back into the disposal unit, which is then sealed with the tape and the whole unit then goes to disposal according to Local Authority Regulations or official hospital procedure.

Replacement disposal units are available in cartons of 4.

Mercury Spills Kit Order Code: H9512
Replacements Units pack of 4 Order Code: H9513

The Health & Safety Commission indicate in their publication, Safe Disposal of Clinical Waste (1999), that a mercury vapour mask is to be used when dealing with spills and should be available in areas where mercury containing apparatus is used. Such masks, either full face or half-masks with the correct mercury vapour filter (designation HgP3S2), are available separately from Guest Medical.

Customised Spill Kits

Guest Medical design and manufacture spills kits to meet the specifications of specialist healthcare units as well as military and industrial applications. We will also produce and advise on the use of “own label” spills kits for distributors. Please contact our offices to discuss the particular requirements of your organisation.
Chemical & other Specialised Spill Kits

**Small Chemical Spill-Pak**

*(not suitable for mercury spills – see our dedicated Mercury Spills Kit on page 12)*

For relatively small chemical spills including solvents, alcohols, oils and aqueous solutions, this handy Spill Pak contains an absorbent pad which absorbs up to 500ml of liquid depending on viscosity. This Pak contains all the necessary items to enable safe, simple and speedy absorption and removal of the spill.

**Contents:** 4 single-use Chemical Spill-Paks, each comprising 1 absorbent pad, 1 pair protective nitrile gloves**, 1 pair protective gloves resistant to over 280 chemicals, 1 protective apron, a disposal bag, face mask with visor, detergent wipe and one pair of disposable forceps and full instructions for use.

**Small Chemical Spill-Pak:**

Order Code: H9421

For a complete list of chemicals this product is designed to deal with, please contact our offices.

**Multi-use Chemicals Spills Kit**

Chemical neutralisation of acid and alkali spills is important to ensure a safe environment after removal of the liquid. This kit contains two specific acid and alkali neutralising powders that absorb the spill and change colour to indicate that neutralisation has taken place. The kit also contains 3 absorbent pads, each capable of absorbing up to 500ml of liquid, for use on solvents and other chemical spills. Personal protective wear is included for the operative.

**Contents:** 3 x 500g containers of Acid neutralising powder, 3 x 500g Alkali neutralising powder, 3 absorbent pads for solvents, 6 disposable forceps, 6 scoops & scrapers, 6 individually wrapped detergent wipes, 12 pairs of protective nitrile gloves**, 3 pairs of disposable protective gloves resistant to over 280 chemicals, 6 disposable aprons, 6 chemical waste disposal bags and instructions.

**Multi-use Chemical Spill Kit:**

Order Code: H9420

**Formalin/Aldehyde Spill-Pak**

For spills of Aldehyde disinfectants and Formalin solutions, this handy spill Pak contains an absorbent pad (absorbs up to 500ml of liquid), protective gloves**, an apron, a face mask with visor and a disposal bag, enabling safe, simple and speedy absorption and removal of the spill. A detergent wipe is also provided to finally clean the area if necessary.

**Contents:** 6 single-use Formalin / Aldehyde Spills Paks, each comprising 1 absorbent pad, a face mask with visor, 2 nitrile gloves**, 1 protective apron, a disposal bag, detergent wipe and full instructions for use.

**Formalin/Aldehyde Spill-Pak:**

Order Code: H9422

**Sharps Removal Kit**

For the safe handling and removal of broken glass, blades, needles and other sharp objects this kit provides the necessary equipment including protective gloves and two UN3291 standard sharps disposal bins.

**Contents:** 1 pair KCL ‘StichStop Plus’ gloves (size10) with high grade steel platelets sewn on the palm of the inner gloves, 1 spare pair of outer gloves, 2 x 1 litre sharps bins, 4 pairs of forceps, 1 folding pick-up tool, 4 individually wrapped cleaning wipes and Chlor-Clean wipes and instructions for use are included.

**Sharps Removal Kit:**

Order Code: H8603

As above but with 4 pairs nitrile gloves** in place of the StichStop Plus gloves:

Order Code: H8604

Replacement StichStop Plus gloves outers, per pair:

Order Code: H8607

Replacement pack of 12 x 1litre sharps bins and 12 pairs of disposable forceps, 12 individually wrapped detergent wipes, Chlor-Clean wipes.

Order Code: H8608

**Note:** * These kits are not suitable for Blood or Blood-Stained Body Fluid Spills - See Page 11

** All protective gloves are manufactured to BS EN 455 Standard and are latex and powder free.
“Standard Principles for Preventing Hospital-acquired Infections”, published by DoH in 2001, state that “Hands must be decontaminated immediately before each and every episode of direct patient contact/care and after any activity or contact that potentially results in hands becoming contaminated.”

More recently, in February 2007, the epic 2: National Evidence Based Guidelines for Preventing Healthcare Associated Infections in NHS Hospitals have used the same phrase to promote hand hygiene.

**Mild & Gentle Liquid Hand Soap - especially formulated for frequent users**

Guest Medical Mild and Gentle Liquid Hand Soap has been especially formulated for Health Care Workers. This scientifically balanced combination of deep cleansing agents, emollients and skin care ingredients will gently, yet efficiently, clean your hands whilst providing maximum protection against drying and irritation.

500ml ‘Bell’ free standing dispenser.

Wall mounted dispenser that contains an easily replaceable 1 litre sealed unit, thus preventing cross contamination and ensuring ease of operation.

**Guest Mild & Gentle Liquid Hand Soap**

- 500ml free-standing bell container with plunger dispenser  
  Order Code: H8730  
- 1 litre refill for wall mounted dispenser  
  Order Code: H8732  
- Wall mounted dispenser to take 1 litre refill  
  Order Code: H8736

**Practice Hand Hygiene Pack**

Guest Medical hand hygiene products are designed especially to meet the stringent requirements of clinical staff in modern hospitals. These same professional-standard products are now also available in a convenient pack which has been designed for community healthcare workers.

The Practice Hand Hygiene Pack is ideally suited to the following applications:

- Doctors’ Surgeries
- Health Centres and Clinics
- Nurseries and Child Care Facilities
- Care Homes and Care of Elderly Facilities
- School, College and University Health Centres

**Contents:**

- 12 x 50ml Tottles
- 4 x 500ml Bell containers of Alcohol Hand Rub
- 2 x 500ml Bell containers of Liquid Hand Soap

**Practice Hand Hygiene Pack**  
Order Code: H8780

**Community Nurse Hand Hygiene Pack**

Designed by a Community Nurse for domiciliary visits this handy little carry-pack contains everything that you need for maintaining your hand hygiene standards to a professional level.

The pack contains an Alcohol Hand Rub bottle, Liquid Hand Soap, soft disposable paper towels and Hand Lotion. Thus, in those situations where the facilities for hand washing are not as you would wish, the Guest Community Nurse Hand Hygiene Pack will provide the essentials wherever and whenever you may need them.

Also available with Alcohol Hand Rub Tottle (clips to the pocket) upon request.

We also supply replacement packs of Alcohol Hand Rub, Liquid Hand Soap and Hand Lotion.

**Community Nurse Hand Hygiene Pack**  
Box of 10 packs  
Order Code: H8790
Alcohol Hand Rub

70% alcohol hand rubs are a practical alternative to soap and water when hand washing is impractical or impossible. Much has been published on the effectiveness of hand rubs introduced into modern hospitals.3-7

Conforms to BS EN 1500

It is, however, important to ensure that the product you have selected is capable of performing effectively. The BS EN 1500 Standard is designed to test the efficacy of hand rub products by simulating the practical conditions under which they are used and assessing their effectiveness compared to a reference product.

Guest Medical Alcohol Hand Rub has been demonstrated to conform to the BS EN 1500 Standard. (Testing performed by the Hospital Infection Research Laboratory).

The ‘Tottle’ was the first alcohol hand rub ‘personal’ dispenser to be supplied to the NHS. Clipped to your pocket or belt, it ensures that the facility to disinfect your hands is with you wherever you may need it.

50ml pocket bottles are also available for those workers who do not wish to display alcohol hand rub on the outside of their uniforms.

The ‘Bell’ 500ml plunger dispensers are designed to be placed on Doctor’s office or Nurse Practitioners desks. Their low centre of gravity reduces risk of being knocked over.

New 1 litre size wall mounted dispenser, matches our other hand care products and contains an easily replaceable 1 litre sealed unit, thus preventing cross contamination and ensuring ease of operation.

REFERENCES:

5. Thakerar & Goodboum, 2002: Alcohol Hand-Rub removes MRSA, BMJ.com (7th Sept)
6. Rotter, M. L 2001: Arguments for alcoholic hand disinfection, J. Hosp Infect. 48, Supplement S4 - S8

Conforms to BS EN 1500

Guest Medical Alcohol Hand Rub has been proven to conform to the BS EN 1500 Standard (Phase 2, Step 2) test for the evaluation of bactericidal activity, of skin disinfectants. The testing was performed by the Hospital Infection Research Laboratory, Birmingham.

The antimicrobial performance of 70% alcohol as presented in the formulation includes biocidal activity against the following micro-organisms:

- Staphylococcus aureus (including MRSA)
- Pseudomonas spp
- Staphylococcus epidermidis
- Escherichia coli
- Streptococci
- Klebsiella spp
- Enterococci (including VRE)
- Proteus
- Pneumococci
- Salmonella sp
- Listeria monocytogenes
- Campylobacter spp
- Mycobacterium tuberculosis
- Acinetobacter
- Mycobacterium terrae
- Candida albicans
- Aspergillus niger

In addition 70% alcohol is considered to be effective against enveloped viruses and has been demonstrated to inactivate feline calicivirus, as a surrogate for norovirus, (Gehrke et al, 2004) and rotavirus (Bellamy et al, 1993).
Phlebotomy products

Labmobile

In many areas of health care there is a need to have instruments, dressings and equipment readily to hand in a number of different working locations.

The versatile Labmobile trolley has been designed to fulfil this requirement, and has been found to be ideally suited for use in such areas as laboratories, wards, clinics, theatres, phlebotomy units and chiropody departments.

- Pivoting drawers for total accessibility
- Choice of size and drawer options to suit individual user needs
- Manufactured from high quality ABS for strength and durability
- Mounted on five castors ensuring extra stability and manoeuverability
- Easily disinfected using isopropyl alcohol
- Several optional features available
- Easily cleaned using wipes or spray
- Available in white

The Labmobile you select will have two shelves and either three or four handy recesses, you may then choose from the options available, the combination of drawers, shelves, height and accessories that will best suit your particular needs.

3 Tier Labmobile

This model provides a worktop at a standard sitting working height, which, combined with its large storage capacity and easy-glide manoeuvrability, makes it ideally suited to the needs of anaesthetists, optometrists, practice nurses and chiropodists.

It is also a practical and versatile ‘under bench’ unit for laboratories and is helpful as an addition to the doctors’ office desk.

Dimensions:
- Overall: 730 x 410 x 430mm
- Working Top Area: 410 x 430mm
- 3 Recesses: 190 x 290 x 110mm
- 2 Shelves: 300 x 270mm
- 2 Drawers: each 300 x 260 x 90mm

3 tier 2 drawer Labmobile  Order Code: S9621

4 Tier Labmobile

Designed for personnel that usually stand whilst working, these Labmobiles are most popular with phlebotomists, laboratory and veterinary staff and dental hygienists.

They are also used as examination trolleys in doctors’ surgeries, clinics, hospitals and veterinary practices worldwide.

Dimensions:
- Overall: 930 x 410 x 430mm
- Working Top Area: 410 x 430mm
- 4 Recesses: 190 x 290 x 110mm
- Shelves: 300 x 270mm
- 4 Drawers
  - four x 300 x 260 x 90mm
- 5 Drawers
  - three x 300 x 260 x 60mm
  - two x 300 x 260 x 90mm
- 6 Drawers
  - each 300 x 260 x 60mm

Order Code: S9620
Order Code: S9619
Order Code: S9618

Sharps Bin Attachment

A pivot mounting is now available that will support a standard sharps bin of 2.5 litre capacity.

The bin is swung out during use and may afterwards be safely concealed underneath the work top while the trolley is moved to the next destination.

To order add ‘/s’ to selected labmobile order code e.g. S9618/S

Packs of 48 Sharpsbins manufactured to BS7320:1990 carrying the British Kitemark.  Order Code: S9601
Guest Tourniquets

All Guest tourniquets incorporate a 24mm wide elasticated band and a ‘quick-break’ release mechanism. They all also feature a button that will gradually release the pressure but without breaking completely, thus allowing the band to be re-tightened with a one-handed operation.

We offer three qualities of tourniquet, to suit every need and budget:

The standard tourniquet incorporates the features above and is available in five plain colours.

In addition the ergonomic version offers an improved design clip mechanism better suited to the operators hand together with a smoother slide and break system.

The colourful Guest Tourniquets with their unique variety of designs are most popular with phlebotomists and patients alike offering a more comfortable elasticated band and a smooth, efficient slide and break mechanism.

All Guest Tourniquets are simple to operate, durable and offer all the features of higher priced tourniquets, together with the previously mentioned variety of qualities and colourful band designs.

**Standard Tourniquets:**
- Pink | Order Code: S4644/P
- Red | Order Code: S4644/R
- Black | Order Code: S4644/B
- Dark Blue | Order Code: S4644/DB
- Green & Yellow | Order Code: S4644/GY

**Ergonomic Tourniquets:**
- Red | Order Code: S4643/R
- Blue | Order Code: S4643/B
- Pink | Order Code: S4643/P

**Colourful Tourniquets:**
- Clown | Order Code: S4642/C
- Dinosaur/Caveman | Order Code: S4642/D
- Plain Grey | Order Code: S4642/G
- Multi-coloured | Order Code: S4642/M
- Vampire | Order Code: S4642/V
- Barcode | Order Code: S4642/B
- Leopard | Order Code: S4642/L
- Zebra | Order Code: S4642/Z

Paediatric Tourniquet

The paediatric version of the Guest Tourniquet has both the quick break and gradual release mechanisms featured in our adult-size tourniquets but it is only half the width (12mm). The elasticated band in plain red or blue remains soft and gentle for small limbs.

**Paediatric Tourniquet** | Order Code: S4642/J

**NEW – Phlebotomy Biohazard Wipe-Pak**

This single use Pak has been designed to deal with the small spills of blood sometimes associated with phlebotomy and is based on the Chlor-Clean/Biohazard Wipes, which are now proving very popular among Health Care Workers. Each Pak contains three dry wipes, two of which will absorb up to 30ml of blood and disinfect it with 10,000 ppm available chlorine. The third can be moistened and used to remove any smears and finally clean and disinfect surfaces. After use the wipes will be discarded into the Clinical Waste Stream via the yellow disposal bag in the Pak.

This Pak is the most simple and efficient system yet devised for dealing safely with blood spills in accordance with Department of Health and Health & Safety Executive guidance.1 & 2

**Contents:** Three dry Biohazard Wipes, protective nitrile gloves**, an apron and a disposal bag together with full instructions for use that can be read without opening the pack.

Biohazard Wipe-Pak, box of 10 | Order Code: H8619
Biohazard Wipe-Pak, box of 50 | Order Code: H8620

**REFERENCES:**
1 & 2 See the bottom of page 7 of this brochure
Laboratory products

**Foetal Red Cell Detection Kit**

*Kleihauer test*

A standardised elution technique to detect foetal haemoglobin in maternal blood.

This test is used to determine the significance of a transplacental bleed and the need for further prophylaxis to prevent haemolytic disease of the newborn.

The advantage of the Guest method is that the reagents are standardised and stabilised, thus providing comparative reproducible results and reducing the laboratory time necessary to make up fresh reagents.

The kit contains fixative, eluting reagent and counterstain together with full instructions for use.

Staining time; 6 minutes plus drying time.

**Laboratory Timer**

For that all important reminder - the Guest Medical Laboratory Timer counts down from 99.59 minutes and automatically reverts to the pre-set time for repeat tests. With easel stand, magnetic back and pocket clip the Lab Timer can be used anywhere or carried with you.

**Aquasan**

*Laboratory water bath bacteriostat*

Aquasan tablets are designed to prevent bacterial growth, slime and foul odours in laboratory water baths, flotation baths, static & circulating water systems and incubator humidifiers.

Active ingredient: 2-bromo-2-nitropropane-1,3-diol (BNPD).

Laboratory tests show BNPD has a broad spectrum of anti-microbial activity.

Add one tablet per 5 to 10 litres of water, once every week. For full anti-microbial activity & information on health & safety please ask for the data sheet.

**Note:** Please be aware we do not recommend this product for uses associated with cell culture work.

**Laboratory water bath sanitising tablets (not chlorine)**

1 tub of 100 tablets  

**Guest Medical**

**Laboratory products**

**Autoclavable Disposal Bags**

Manufactured from polypropylene to withstand 134°C autoclaving temperatures, Guest Autoclavable Disposal Bags are available in three stock sizes as shown below, printed with blue hazardous waste warnings to comply with the Safe Disposal of Hazardous Waste Recommendations.

<table>
<thead>
<tr>
<th>Size</th>
<th>Quantity</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>600mm x 780mm x 38 microns</td>
<td>500</td>
<td>B8598</td>
</tr>
<tr>
<td>420mm x 600mm x 38 microns</td>
<td>500</td>
<td>B8617</td>
</tr>
<tr>
<td>305mm x 660mm x 38 microns</td>
<td>500</td>
<td>B8602</td>
</tr>
<tr>
<td>Bag ties - plastic coated - blue</td>
<td>1000</td>
<td>S8559</td>
</tr>
</tbody>
</table>

Please note: Non-standard sizes and plain bags also available upon request.
Laboratory products

5-Place ESR Stand

Ideally suited to the Doctor’s office as well as the small laboratory, this stand incorporates a wrap-around design for draught protection and two-point securing for the Dispette and filling reservoir assembly. A levelling bubble and adjustable screws enable the user to ensure that the Dispette tubes are precisely vertical, which is essential for reproducible results. Accomodates Dispette, Dispette 2 and Micro-Dispette with filling cap.

Order Code: E5507

Guest ESR systems

Dispette 2

Dispette 2 offers the following features over and above the original Dispette:
A plugged Westergren Standard pipette with overflow chamber preventing blood spills, diluent/anticoagulant already added to the filling reservoir which has a pierceable cap and an expanded chamber to enable improved mixing. Simply add 1ml of blood to the reservoir, replace the cap and mix carefully. Push the dispette though the pierceable cap and to the bottom of the reservoir – the Dispette fills automatically. Full instructions are included in the box.

100 Dispette 2 with filling reservoirs: Order Code: D5534