

## Keeping infection out of circulation

Developed by Enturia and in use across the USA since gaining FDA approval in 2000, ChloroPrep® antiseptic skin preparation system is now licensed for use in children over the age of two months and available in the UK.

ChloroPrep meets epic2 guideline recommendations for cutaneous antisepsis prior to vascular access and was given the Health Protection Agency's Rapid Review Panel 'Recommendation One' – their highest endorsement<sup>1,2</sup>. ChloroPrep was introduced in 2006 throughout the National Blood Service in England and is now used by numerous trusts across the UK<sup>3</sup>.



ChloroPrep is the only licensed non-touch skin antiseptic system to contain 2% chlorhexidine gluconate and 70% isopropyl alcohol, providing rapid and persistent disinfection of the skin<sup>4</sup>. The specially designed applicator allows the solution to be gently scrubbed into the skin, helping reduce bacterial load in the top five layers of the epidermis – where 80% of bacteria have been shown to reside<sup>5</sup>.

An expanded range of smaller and larger applicators are expected to become available later this year.

[www.enturia.co.uk](http://www.enturia.co.uk), tel: 01737 735 578

### References

1. [www.epic.tvu.ac.uk](http://www.epic.tvu.ac.uk)
2. [www.hpa.org.uk](http://www.hpa.org.uk)
3. McDonald CP et al. *Vox Sanguis* 2006; 91(Suppl. 3): 150.
4. Hibbard JS. *J Infus Nurs* 2005; 28: 194-207.
5. Hendley JO, Ashe KM. *Antimicrob Agents Chemother* 1991; 35: 627-31.



## Innovative neonatal warming technology

CosyTherm, a warming system for neonates and infants, uses Inditherm's patented flexible polymer technology to provide high thermal transfer characteristics and fast warm-up. The system is highly effective and can be used as an alternative to an incubator, where only warming is required, as a step-down, or in place of a radiant warmer.

Safety and convenience are enhanced with open access to the patient and no use of water or circulating air. Warming is achieved using a fully sealed, lightweight mattress, operating at low voltage, which is

easy to clean. CosyTherm is simple to operate with a selection of temperature ranges to suit different clinical requirements. A viscoelastic pressure-relieving pad is integrated into the mattress.

CosyTherm fits all standard cribs or cots, making it simple to add to existing equipment and reducing cost. It is robust with no maintenance required other than cleaning and is suitable for use in NICU, SCBU, postnatal wards and delivery suites.

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## Strides towards less invasive jaundice testing

As many as 50-60% of full-term infants and 80% of premature infants are affected by jaundice, as a result of raised levels of bilirubin in the blood (hyperbilirubinaemia). Rarely, excessive amounts of bilirubin can build up in the blood and lead to brain damage. The best method for assessing the risk of severe hyperbilirubinaemia is to measure the serum bilirubin or transcutaneous bilirubin. Drawing a serum bilirubin on all infants is expensive and painful for the newborn.

The Konica Minolta Dräger Medical Air-Shields JM-103 Jaundice Meter® (JM-103) is a non-invasive screening device that assists in the management of neonatal jaundice by using transcutaneous measuring technology to estimate the level of bilirubin in blood. The measuring probe is placed on the baby's chest or forehead and gently pressed. To take another measurement, the nurse simply cleans the probe with an alcohol swab and presses the reset button. In a few minutes it is possible



to test all babies being discharged on a particular day.

Implementation of a jaundice assessment policy with the reusable JM-103 as the primary screening tool has enabled St. Mary's Health Centre, Missouri, USA, to increase objective risk assessment for hyperbilirubinaemia prior to discharge from 20% to 100% in four months.

[www.draeger.com](http://www.draeger.com)