

Dräger single-patient use ECG leads

In order to complement the existing portfolio of reusable ECG leads, Dräger has developed a high-quality ECG lead system intended for single-patient use. These products will help reduce the risk of nosocomial infections, thus supporting hospital guidelines for hygiene. Furthermore, they will reduce the costs involved with treatment of such nosocomial infections.



INFECTION - AN EVER-PRESENT DANGER

In hospitals today, nosocomial infections are on the rise⁽¹⁾. In addition to the significant morbidity and mortality these can cause, hospital-acquired infections increase the cost of care⁽²⁾ while their treatment can give rise to even more resistant strains of microbes. Clearly, avoiding these complications should be a primary concern for everyone involved. Several studies have shown that reusable ECG lead wires can be a pathway for antibiotic-resistant pathogens and a cause of healthcare associated infections^(3,4,5,6), prompting the increased use of single-patient use products wherever feasible^(7,8). That is why Dräger has designed a new, single-patient use ECG lead system that can help you reduce the risk of healthcare-associated infections at your hospital and simultaneously reduce the cost of care.

BREAKING THE VICIOUS CIRCLE

Studies have shown that, even after disinfection, over 77% of reusable ECG leads are contaminated with at least one resistant pathogen⁽⁹⁾. Healthcare-associated infections increase the average hospital length of stay by 9.5 days and treatment cost by up to US\$15,275⁽¹⁰⁾. These facts make the advantages of single-patient use ECG leads obvious.

QUALITY AND FUNCTION WITHOUT COMPROMISE

Single-patient use products should offer the same quality and functionality during their use as reusable accessories do over time. Dräger single-patient use ECG leads provide signal quality equal to that of reusable leads and are available in several configurations:

- Extensively tested and certified for use with the Dräger Infinity patient monitoring product range
- Ribbon cable provides more comfort for patient and caregiver
- Quickly and easily applied
- Shielded cables
- Available as 3- and 5-lead sets with European and US/AHA color coding
- Clearly labeled, color-coded patient connectors

SAVE VALUABLE PREP TIME

Single-patient use ECG lead systems eliminate the need for time-consuming preparation, letting your staff concentrate on other, more important tasks.

ENHANCED HYGIENE AND REDUCED COST

Dräger single-patient use ECG leads can help you meet the challenges of hospital-acquired infections and hence keep your treatment costs under control.



3-lead set



5-lead set

TECHNICAL DATA

	ECG Cable, 3-Lead, Single-patient Use, IEC1	ECG Cable, 3-Lead, Single-patient Use, IEC2	ECG Cable, 5-Lead, Single-patient Use, IEC1	ECG Cable, 5-Lead, Single-patient Use, IEC2
Part Number	MP00875	MP00877	MP00879	MP00881
Number of leads	3	3	5	5
Length	1m (39 in)	1m (39 in)	1m/1.5m (39 in/59 in)	1m/1.5m (39 in/59 in)
Color coding	IEC1 (European)	IEC2 (US/AHA)	IEC1 (European)	IEC2 (US/AHA)
Shielding	YES	YES	YES	YES
Latex free	YES			
PVC free	YES			
Materials	TPE, POM, PP, copper (partly tin-plated)			
Maximum usage time	7 days			
Shelf Life	3 years			
Connection to monitor	<ul style="list-style-type: none"> - Dräger Infinity® M540 directly - Dräger Infinity® M300 directly - Dräger Infinity® Delta, Delta XL, Omega, Kappa, Omega-S, Kappa XLT, Gamma XXL, Gamma XL, Gamma, Vista XL, Vista via MultiMed® Plus (MP20093) or MultiMed® Plus OR (MP20094) - Siemens SC6002XL, SC6802XL, SC7000, SC8000, and SC9000XL via MultiMed® Plus (MP20093) or MultiMed® Plus OR (MP20094) (Can be used in conjunction with single- to dual-pin adapters (MS 14679, MS14680))			
Units per box	20			

¹ R. M. Klevens, J.R. Edwards, C.L. Richards; Estimating Health Care- Associated Infections and Deaths in U.S. Hospitals, 2002; 2007; volume 122; p.160-165.

² RR Robert et al., The use of economic modeling to determine the hospital costs associated with nosocomial infections, Clinical Infections Deiseas 36.11 (2003), 1424 – 1432.

³ B. Jancin; Cell phones, ECG leads are nosocomial pathways: hospitalized patients, 2003 Dec. 1.

⁴ B. McCaughey Ph.D.; Unnecessary deaths: The human and financial costs of hospital infections, 3rd Edition.

⁵ PS. Falk, J. Winnike; Outbreak of vancomycin-resistant enterococci in a burn unit; 2000 Sep.

⁶ K. Kerwatt, J. Graf, H. Wulff; Krankenhaushygiene – Nosokomiale Infektion. Anästhesiol Intensivmed Notfallmed Schmerzther 2010; 45; 30-31.

⁷ Bush LM., Disposable items help prevent healthcare acquired infections, Infection Control today, May 2005:6.

⁸ Association of Anaesthetists of Great Britain and Ireland, Infection Control in Anaesthesia, 2002 Nov. 21.

⁹ B. Jancin; Antibiotic- resistant pathogens found on 77% of ECG lead wires; Cardiology News, March 2004.

¹⁰ C. Zahn, MR. Miller; Excess length of stay, charges, and morality attributable to medical injures during hospitalization; 2003; 290:197-199.

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