

Medical Gels

Background

Medical gels are used routinely in clinical practice during physician exams and diagnostic procedures. Contamination of gels* from improper handling can result in serious health care associated infections such as bacteremia and septicaemia. ^(1,2,5,7,8,9,10,11,12)

*Medical Gels include ultrasound gels, lubricating gels, and other medicated gels.

Position Statement

To provide for safe handling of medical gels, the following is recommended.

1. INDICATIONS FOR PARTICULAR GELS

Indication	Type of Gel		
	Single dose Sterile	Bacteriostatic	Non-sterile
Whenever a biopsy, puncture of any kind, or imminent surgery is to be performed regardless of body site	√		
Near a fresh surgical wound	√		
Procedure penetrating mucous membrane	√		
Endoscopies on intact mucous membranes	√	√	
Non-endoscopic procedure on mucous membranes (e.g., vaginal/ rectal exam)	√	√	
Non-intact skin	√		
Intact skin			√
Babies in NICUs and critical pediatric patients ⁽¹¹⁾	√		

2. GENERAL CONSIDERATIONS

a) Sterile gel:

- Single use packaging is required for sterile gel as an opened sterile gel package is no longer sterile
- Sterile product must be used employing the principles of asepsis

- Discard the opened package at end of procedure

b) Nonsterile gels.

- Non-sterile gel containers must never be topped up (i.e., refilled when partially empty)
- If multidose containers of nonsterile gel are used on intact skin, the container must be sealed correctly when not in use⁽¹¹⁾
- Containers of gel should never be washed and refilled for use but should be discarded when empty⁽¹¹⁾
- When a new bottle is opened, the bottle should be dated and discarded after 1 month or expiry date if earlier⁽⁵⁾
- Bulk containers of gel are not recommended due to risk of contamination, therefore their use should be discouraged.

c) Warming of Gel

- Do not warm gel due to the increased risk of bacterial multiplication¹³.

d) Storage of Gels

- Products must be stored in clean areas where they are protected from sources of contamination such as moisture, dust, insects, etc.
- Discard the medical gel if in doubt about integrity

This position statement was developed by Standards and Guidelines:

Chair: Madeleine Ashcroft

Principal Authors:

Clare Barry, Madeleine Ashcroft, Brenda Dewar, Colleen Lambert, Anne Augustin, Mary-Catharine Orvidas

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