

**Supplemental Table 6. SUMMARY OF MODERN DRESSING CATEGORIES FOR MOISTURE BALANCE BY INCREASING ABSORBENCY**

Dressing Category	Comment	Average Wear Time, d
Hydrogels	Donates moisture and may be combined with antimicrobial dressing Contains 70%-90% moisture Bioresorbable May be combined with silver and iodine for antimicrobial action	1-3
Films	Moisture neutral Protective layer Does not donate or absorb large amount of exudate	3-7
Hydrocolloids <sup>a</sup>	Water binding and water-repelling properties Absorbs small to moderate amount of moisture	2-7
Acrylic <sup>a</sup>	Acrylic polymer pad technology designed to handle low to moderate wound drainage Washable, waterproof	7-21
Surfactants <sup>a,b</sup>	100% water soluble, protects healthy tissue Contains surfactant micelles that bind with water Absorbs wound debris and aids in maintaining optimal moisture balance	1-3
Hydrofibers <sup>a,b</sup>	Binds small to moderate amount of exudate Fluid lock, nonbioresorbable May combine with silver for antimicrobial action	1-3
Calcium alginates <sup>a,b</sup>	Absorbs small to moderate amounts of exudate to outer surface of alginate Fibers are bioresorbable, releasing calcium (hemostasis property) and resorbing sodium to form a hydrogel with exudate fluid May be combined with silver or honey for antibacterial action	1-3
Foams <sup>b</sup>	Polyvinyl alcohol foams with MB/GV provide autolytic debridement Most foams are polyurethane- no autolytic debridement Absorb moderate amount of exudate Fluid balance (dressing gives back some exudate to prevent wound surface from drying) May deliver antibacterial agent (silver) or contain a nonrelease antibacterial agent for action above the wound surface (PHMB, MB/GV)	2-7
Superabsorbents	Absorbs a large amount of exudate Fluid lock polymer technology—DO NOT CUT	1-3

Abbreviations: MB/GV: methylene blue/gentian violet; PHMB: polyhexamethylenebiguanide; STONEES: Size enlargement, Temperature increase  $\geq 3^{\circ}$  F versus the opposite limb mirror image temperature, Os (bone exposed or direct probing), New areas of break down on the wound margin, Exudate increase, Erythema and/or Edema, and Smell.

<sup>a</sup>Autolytic debridement properties

<sup>b</sup>May be combined with antimicrobial agents for use when 3 or more STONEES criteria are present.

Adapted from Sibbald et al.<sup>16</sup>

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