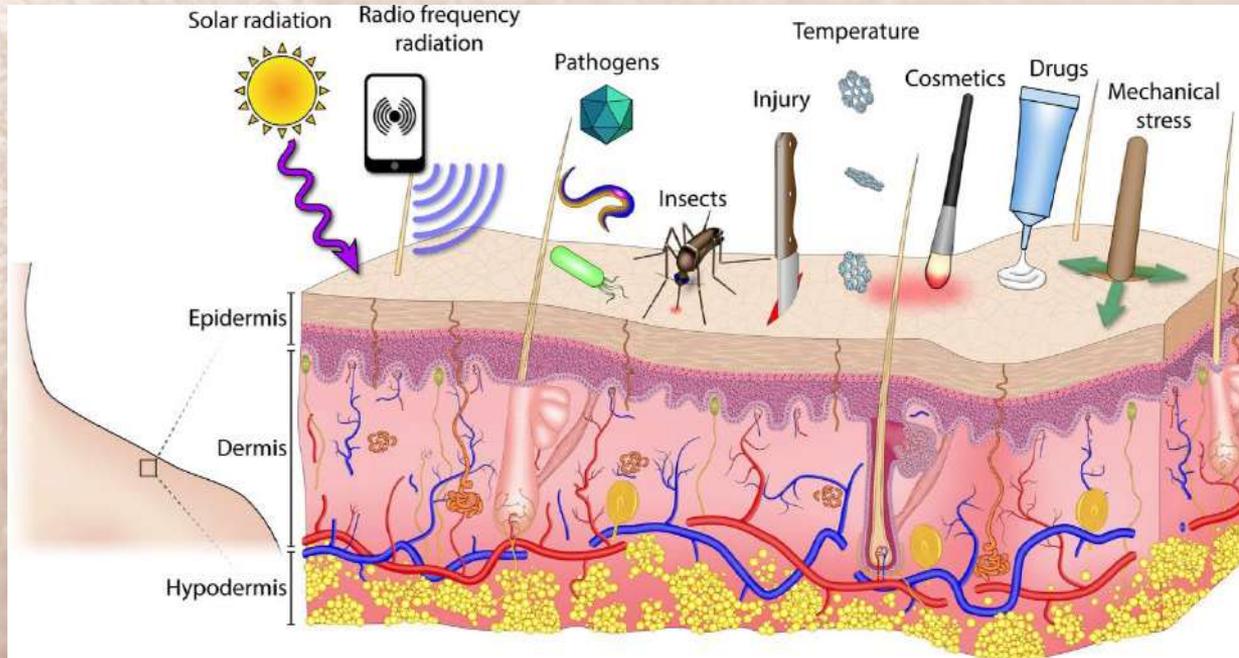


# Was würde mit unserer Haut passieren, wenn...

*Die Antworten von Hautmodellen*



# die Haut



Schutz



Regulierung



Kommunikation

❖ **1.7 m<sup>2</sup>**

das größte Organ deines Körpers

❖ **16%**

deines Körpergewichts

❖ **0.5 – 4 mm**

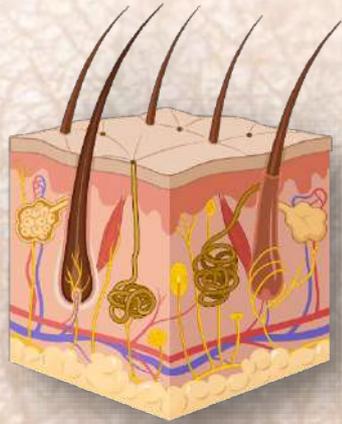
Dicke

# Was wäre, wenn...



Was passiert, wenn man sich einen Papierschnitt zufügt?

# Hautmodelle

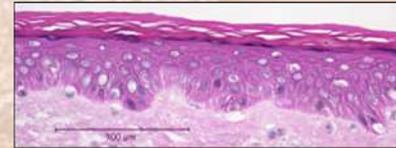


} Epidermis

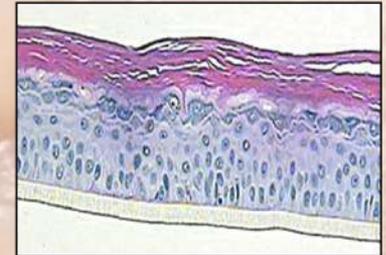
## *In Vitro* Reconstructed Human Epidermis (RHE) Models Validated for Regulatory Purposes



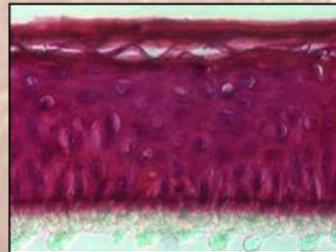
MatTek Corp. EpiDerm™ (EPI-200)



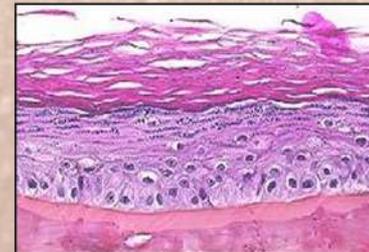
Native human skin



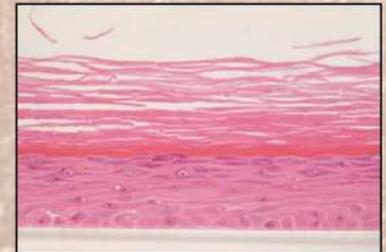
SkinEthic™ RHE



Cell Systems epiCS®



EpiSkin™ (SM)



J-TEC LabCyte EPI-MODEL

(*in vitro* RHE-Modelle, die für regulatorische Zwecke validiert wurden)

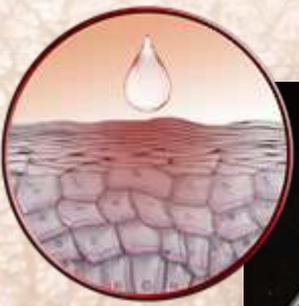


Section 4  
Health effects

Test Guideline No. 439  
In Vitro Skin Irritation: Reconstructed  
Human Epidermis Test Methods

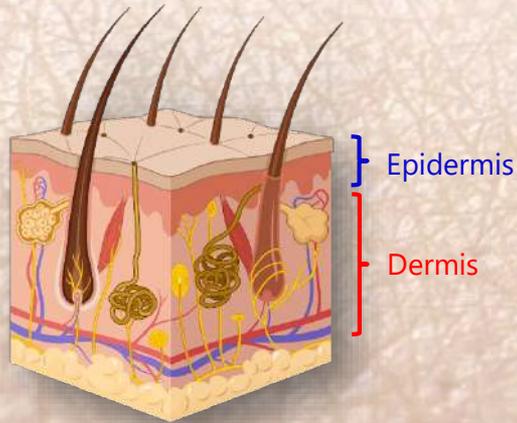
	EpiSkin™ (SM) (23)	EpiDerm™ SIT (EPI-200) (23)	SkinEthic RHE™ (23)	LabCyte EPI- MODEL24 SIT (26)	epiCS® (43)(44)	Skin+® (42)(43)
<b>NON-CLASSIFIED SUBSTANCES (UN GHS No Category)</b>						
naphthalene acetic acid	92.3 +/- 5.2	100.7 +/- 8.4	104.0 +/- 12.9	100.4 +/- 7.6	99.3 +/- 10.4	94.6 +/- 17.9
isopropanol	88.1 +/- 8.7	65.6 +/- 16.5	101.0 +/- 11.3	76.7 +/- 7.0	97 +/- 6.8	90.7 +/- 27.5
methyl stearate	98.5 +/- 11.3	107.7 +/- 4.9	104.4 +/- 15.8	99.3 +/- 10.4	101 +/- 8.0	101.7 +/- 6.5
heptyl butyrate	102 +/- 4.2	104.1 +/- 4.2	92.1 +/- 17.5	105.4 +/- 11.1	100.3 +/- 5.1	79 +/- 17.8
hexyl salicylate	89 +/- 1.8	106.9 +/- 5.2	95.9 +/- 12.5	100.9 +/- 8.2	95 +/- 8.0	89.1 +/- 16.3
<b>CLASSIFIED SUBSTANCES (UN GHS Category 2)</b>						
cyclamen aldehyde	25.4 +/- 12.1	18.5 +/- 16.2	1.7 +/- 0.9	9.1 +/- 2.9	12.8 +/- 26.4	3 +/- 0.4
1-bromohexane	24.4 +/- 15.9	16.9 +/- 2.5	1.3 +/- 3.9	15.7 +/- 3.4	10.4 +/- 4.8	5.6 +/- 0.7
potassium hydroxide (5% aq.)	9.3 +/- 10.0	4.3 +/- 1	16.7 +/- 17	3.3 +/- 3.1	2.6 +/- 3.6	5.2 +/- 1.5

# Zum Beispiel: Hautreizungstest



No.

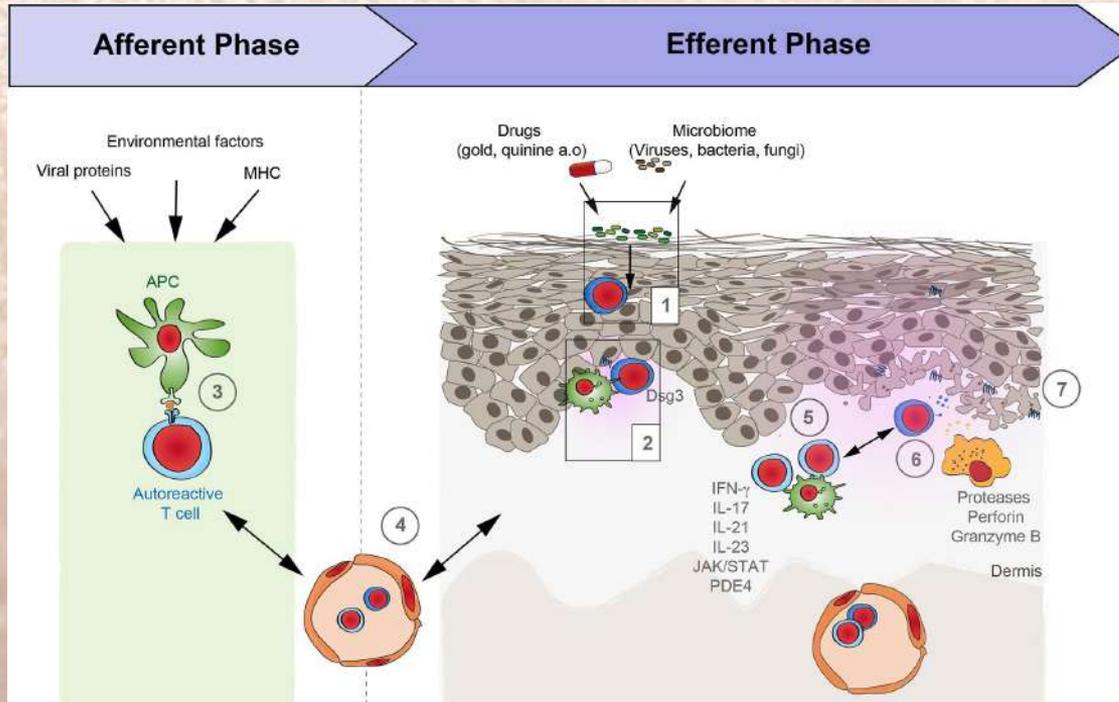
# Über die Epidermis hinaus?



Was ist mit den tiefer liegenden Problemen?

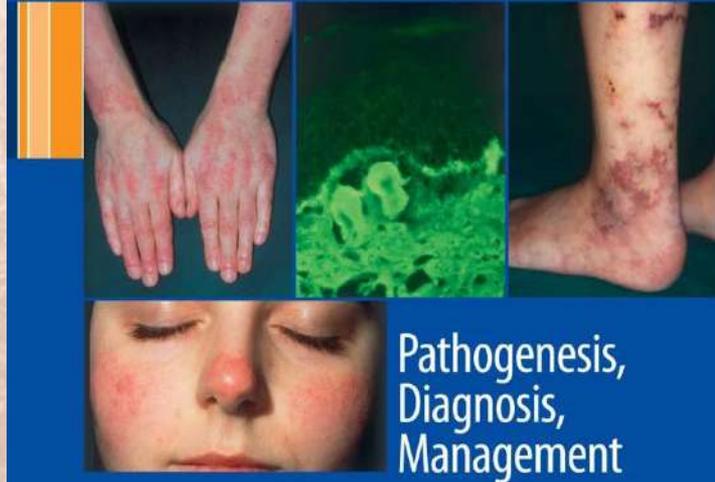
# Zum Beispiel

*Lichen Planus: Wie passiert das?*



Michael Hertl *Editor*

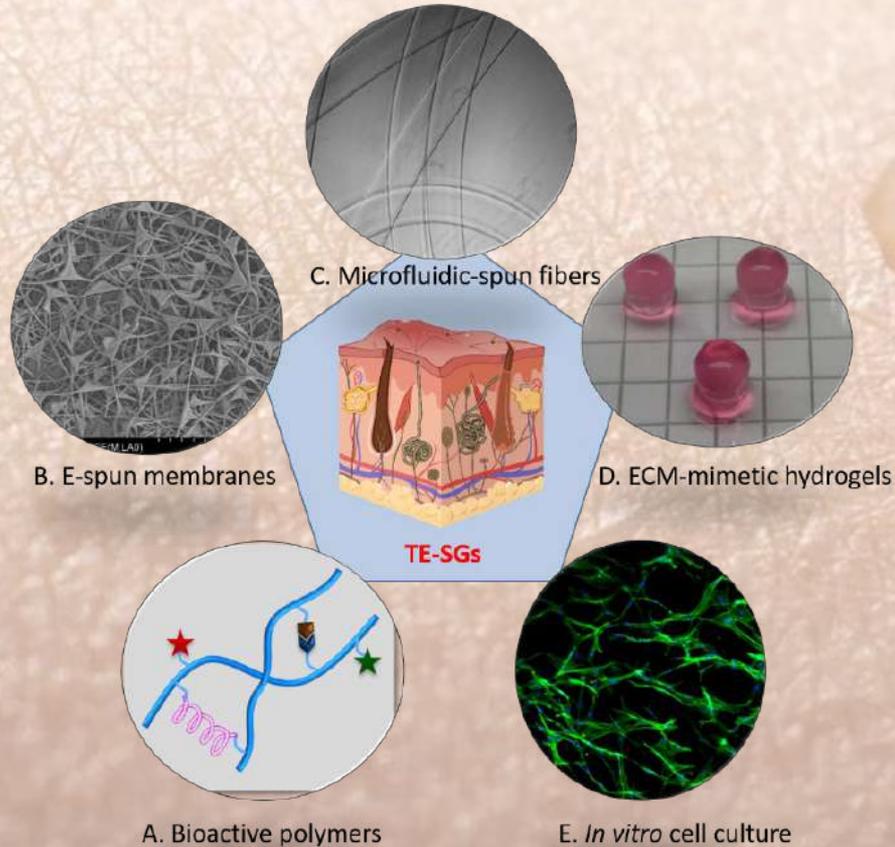
## Autoimmune Diseases of the Skin



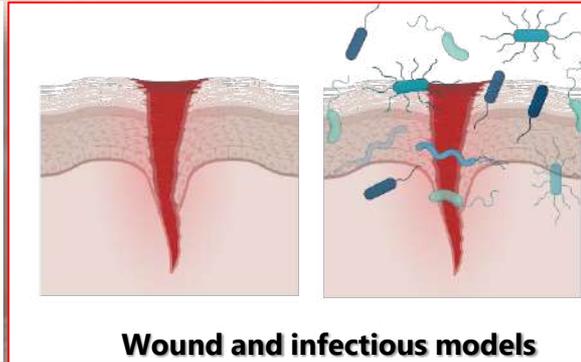
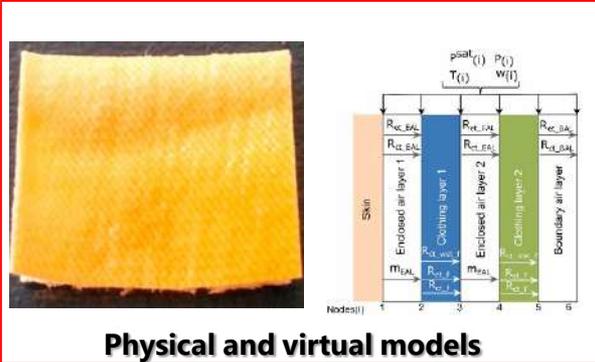
Pathogenesis,  
Diagnosis,  
Management

3rd Edition

 SpringerWienNewYork



# Gemeinsame Arbeitsgruppe für Hautforschung





**Vielen Dank**