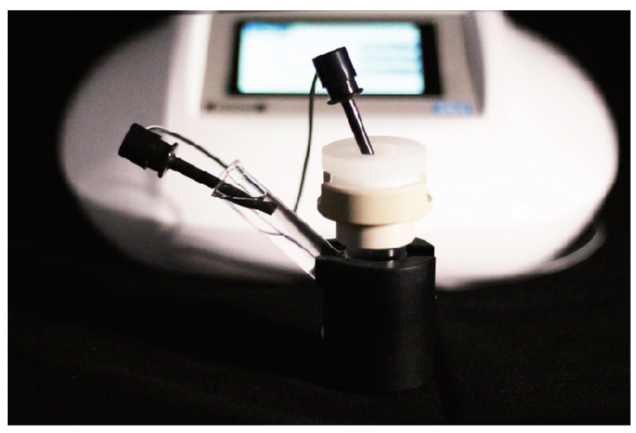
HB Instrument

ER-2310皮肤电阻抗测定仪

瑞士进口 SKT 品牌，品质保证，让实验结果更可靠

仪器操作简单

智能换挡，无需反复测量和手动调挡，测量一次即可。



检测速度飞快

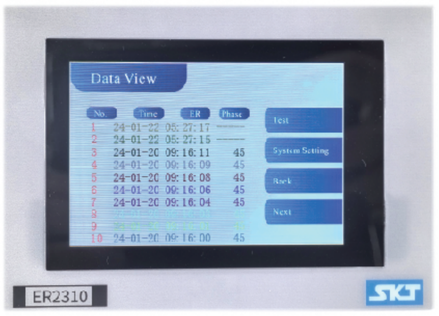
毫秒级速度，工作效率提升立竿见影。

实验结果稳定可靠

不受实验室温湿度影响，大大提高IVPT结果可靠性。

使用方法(2023 FDA指导原则)：将皮肤安装在扩散池中（例如，夹在供 体和受体隔室之间的适当位置），并使其平衡至32°C±1°C 的皮肤表面温度，使角质层暴 露于供体隔室中的空气中，使皮肤下侧与离子溶液接触（例如，磷酸盐缓冲盐水，pH 7.4）。将少量离子溶液（足以覆盖皮肤部分的整个表面）短暂地施加到角质层上。然后，来自 LCR 测量仪的一根导线/电极将与受体室中的溶液接触，而另一根导线或电极将与供体室中的液体接触。测量皮肤上的电阻后，将移除供体室中的溶液，并用吸收性低皮棉实验室组织轻轻吸干皮肤表面。

北京合邦兴业科学仪器有限公司
BEIJING HEBANG XINGYE SCIENTIFIC INSTRUMENT CO.,LTD
地　　址：北京市丰台区诺德中心一期2号楼
咨询热线：400-0880-782
网　　址：www.hbxy-instrument.com



20条数据存储，可随时调取导出，保证每一次测量数据的安全。

彩色液晶大屏幕,触屏操作简单，体验良好。

测试环境：环境温度：10℃~40℃，相对湿度RH%：10%~90%

测量范围广可达10^4数量级，最大5位有效数字显示

完全满足FDA IVPT官方指南中认可的动物离体皮肤完整性评价方法

In Vitro Permeation Test Studies for Topical Drug Products Submitted in ANDAs

Guidance for Industry

307 *3. Electrical Based Skin Barrier Integrity Tests*
308
309 There are several variations of electrical based skin barrier integrity tests that report the test
310 result as a measure of the resistance, conductance, or a related electrical concept that
311 characterizes the bulk flow of electrical current across the skin. Transepithelial electrical
312 resistance tests involving the skin may be referred to more specifically as Trans-Epidermal
313 Electrical Resistance (TEER) skin barrier integrity tests. The test results may be described in
314 units of conductance, which is the reciprocal of resistance. Electrical based skin barrier integrity
315 tests often use instruments that are designed to measure the inductance (L), capacitance (C), and
316 resistance (R) of electronic circuits or electrical components; these instruments are commonly
317 known as LCR meters and have different settings (test parameters) that can be adjusted.
318
319 An example of a recommended approach to a TEER skin barrier integrity test would be to mount
320 the skin in a diffusion cell (e.g., clamped in place between the donor and receptor compartments)
321 and allow it to equilibrate to a skin surface temperature of 32°C ± 1°C with the stratum corneum
322 exposed to the air in the donor compartment and the underside of the skin in contact with an
323 ionic solution (e.g., phosphate buffered saline, pH 7.4).
324

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网　　址：www.hbxy-instrument.com